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1914/15

BULLETIN
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TULANE UNIVERSITY
OF LOUISIANA

Series 15, No. 10, August 1, 1914



THE COLLEGE OF MEDICINE
SCHOOL OF MEDICINE

ANNOUNCEMENT FOR 1914-1915

Published monthly (except June, July and August, when published semi-monthly)
by the Tulane University of Louisiana.

Entered August 6, 1906, at the Post Office, at New Orleans, La., as second-class
matter, under Act of Congress of July 16, 1894.

ЭНТ
РАЯЯО ИНОУ
УРАЯОУ

THE COLLEGE OF MEDICINE

SCHOOL OF MEDICINE

OF THE

TULANE UNIVERSITY OF LOUISIANA

Formerly { 1834-1847 Medical College of Louisiana.
1847-1884 Medical Department, University of Louisiana.
1884-1913 Medical Department, Tulane University of Louisiana.
1913 — College of Medicine, Tulane University of Louisiana.

ANNOUNCEMENT FOR 1914-1915

CALENDAR

~~YABBO BOO.~~
1914 YABBO

Sept. 18 Friday	{ Entrance and Condition Ex- aminations
to Sept. 26 Saturday	
Sept. 28 Monday	University Year begins.
Sept. 30 Wednesday	All Classes begin.
Oct. 5 Monday	Last Day of Registration.
Nov. 26 Thursday	Thanksgiving Day.
Dec. 22 Wednesday	Christmas Recess begins at 4 P. M.

1915

Jan. 4 Monday	University reopens at 8:30 A. M.
Feb. 1 Monday	Second Term begins.
Feb. 16 Tuesday	Mardi Gras.
Apr. 2 Friday	Good Friday.
May 29 Saturday	Senior Class Day Exercises.
June 2 Wednesday	{ University Commencement. University Year ends.
June 7 Monday	Summer School of Medicine begins.

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ANNOUNCEMENT.

This department was founded in 1834, as the Medical College of Louisiana; in 1847 it became the Medical Department of the University of Louisiana, around which the Colleges of Law and of Arts and Sciences developed, until in 1884, the University of Louisiana became the Tulane University of Louisiana. It is the oldest Medical College in the Southwest and has the greatest number of Alumni. To June, 1914, there have been graduated 4593 in Medicine.

The Eighty-First Annual Session Opens MONDAY, SEPTEMBER 28, 1914.

GENERAL STATEMENT

Beginning with the session 1913-14, the name of The Tulane Medical Department was changed to TULANE COLLEGE OF MEDICINE, which will hereafter embrace the School of Medicine, The Post-Graduate School of Medicine, The School of Dentistry, The School of Pharmacy, and The School of Hygiene and Tropical Medicine.

SCHOOL OF MEDICINE

Entrance Standards

With the acceptance of the University by the Carnegie Foundation the standards for entrance of students became uniform in all departments regulated by the requirements of the Foundation and the School of Medicine has complied with all these demands.

Since 1910, the Medical School of Tulane has required full high school credits, and in addition one year of college work in the sciences of Biology, Chemistry, and Physics, and a year in a modern language other than English.

This standard of entrance, together with the standards of education and equipment, have placed the Tulane Medical School in the highest rank of medical schools in the United States.

Preliminary Year to Medical Studies

With a view to meet the deficiencies of many students who have had high school training and who lack the science branches now required for entrance at Tulane, a PRELIMINARY YEAR of instruction has been provided, permitting such students to qualify in the following year for the Freshman Class in the Medical School, without entrance conditions.

This course is given in the Colleges of Arts and Sciences and in the Medical School, embracing the subjects of **Biology, Botany, Chemistry, Physics, Embryology, and Histology**, together with laboratory periods, demonstrations and lectures. In addition an opportunity will be given students in this course to qualify in one of the required modern languages.

The Faculty realizes that the regular course in medicine has become too crowded to allow the efficiency in instruction desired with the present four years' schedule and this preliminary year is undertaken with the view of gradually developing the five years' course in medicine now so urgently needed for the proper fulfilment of instruction in all divisions of medical teaching and advocated by the American Medical College Association, of which this College is a member.

This preliminary course is particularly directed at satisfying the complementary education, now necessary for the preparation of gradu-

ates from Southern high schools and academies who intend to take up the study of medicine.

The arrangement of this course further provides for the proper and direct admission of college graduates and advanced college students into the First, or Freshman year, thus completing the course in four years of study.

SYNOPSIS OF INSTRUCTION

Students of the **first two years** are taught in the atmosphere of the University Campus. This plan has been arrived at through the recognition of like methods at some of the best institutions in the country, and because of the logical merits of establishing a foundation in the primary branches of medicine, before the Clinical Instruction is undertaken.

During the **last two years** the courses are given in the Hutchinson Memorial, and at the various institutions with which the Tulane Medical School is associated, viz., the Charity Hospital, the Touro Infirmary, &c.

It is universally admitted that, without abundant laboratory and clinical material, no medical school, however numerous or eloquent its professors, can possibly fit its pupils for practical professional life. It is scarcely necessary to state that it is only in large cities that such advantages can be procured, but it is of paramount importance that the opportunities there afforded should be properly utilized; that the students should be required, under the direction of the teacher, to examine patients for themselves, to keep records of cases, to note daily changes which may occur, and thus acquaint themselves, by personal observation, with the progress and termination of diseases and accidents. The mere introduction of a patient into an amphitheater, and the discussion of his case by the professor in the presence of a class, is no substitute for bedside and clinical instruction, such as is supplied by the great Charity Hospital and the splendid Touro Infirmary of New Orleans.

Since October, 1912, a complete outdoor obstetric clinic has been established, insuring ample provisions for the instruction in this branch for third and fourth year classes.

RICHARDSON MEMORIAL
and
RICHARDSON CHEMISTRY BUILDING

The **Richardson Memorial Building** on the Tulane Campus provides the laboratories and equipment for all the teaching of the first two years, excepting for Chemistry, which will be taught in the extensive laboratories of the **Richardson Chemistry Building**, also located on the Tulane Campus. The facilities afforded for the thorough instruction of students in their first two years in medicine are more than ample and the opportunities are fully in accord with the highest demands of modern medical education.

HUTCHINSON MEMORIAL

The **Josephine Hutchinson Memorial Building** on Canal Street, with its numerous laboratories and lecture halls provides every facility for the teaching of the last two years. This building is located within two blocks of the Charity Hospital where most of the clinical instruction is conducted.

DORMITORIES FOR MEDICAL STUDENTS

Dormitories have been provided in the first two years, for a limited number of medical students who will have the surroundings of a residential neighborhood and, besides, the contact with the students of the undergraduate colleges, thus broadening their education and college spirit.

LIBRARIES

The library of the Medical Department is conveniently arranged for reference, in the Hutchinson Memorial, with over 9000 valuable books and over 3500 pamphlets, as well as an excellent file of the current medical journals. Additions are being constantly made to this valuable adjunct of medical education. Additional special library facilities are arranged in each of the laboratory divisions.

CHARITY HOSPITAL

The use of the wards of the great Charity Hospital of New Orleans, with over 1000 beds, annually occupied by from nine to ten thousand patients, and the use of two clinical buildings, with about 20,000 outdoor patients annually, have been given by the Legislature to the teaching staff of the Medical College of The Tulane University of Louisiana, for the practical instruction of its students, not only in all the divisions of medicine and surgery, but also in obstetrics and gynecology, as well as in pathology. Medical students are given

access to the Charity Hospital free, and enjoy far better opportunities for the study of diseases therein than are usually possible in the hospitals of other cities. For the study of diseases of the South and also of exotic types of conditions of tropical origin there is no field comparable to the wards of this hospital. Between the Josephine Hutchinson Memorial Building of the Medical College and the Charity Hospital there are only two squares, which distance is readily walked in three minutes.

The following summary of the hospital services during the year will give some idea of the wealth of material:

During the year **15,056** patients were treated in the hospital: indoor and clinic patients totaled **58,938**. This is the largest number ever recorded in the history of the Hospital. Of this number **12,698** were discharged, **1,766** died, and **707** remained over on the 1st of January, 1914. In the maternity department there were **536** births. The gross mortality was **11.72** per cent., and the net **7.9** per cent., after deducting the deaths occurring within 36 hours after admission, which numbered **575**.

In the out clinics **27,644** cases were treated, and **107,196** consultations were given. Emergency cases numbered **13,774**; ambulance calls **2,464**; surgical operations, **5,656**, of these **2,766** were performed in the Delgado Memorial. In the Pathological Department **18,132** specimens were examined, and in the Pasteur Institute **899** were treated for suspected rabies infection.

These wards are accessible to students under the direction of the members of the teaching staff as they may be assigned to the various services.

In the Charity Hospital the distribution of services is as follows:

TABLE OF SERVICES.

Service.	Number of Beds		Totals.
	White.	Colored.	
General Surgical.....	236	143	379
General Medical.....	205	118	323
Gynecological.....	61	41	102
Obstetrics.....	32	15	47
Venereal.....	42	26	68
Eye, Ear, Nose and Throat.....	20	20
Nervous Diseases.....	29	29
Skin.....	19	19
Contagious Diseases.....	29	3	32
Tuberculosis.....	24	10	34
	<hr/> 697	<hr/> 356	<hr/> 1053

BED CAPACITY OF HOSPITAL.

	No. Beds.
White Male.....	339
Colored Male.....	187
White Female.....	250
Colored Female.....	156
Children.....	121
Total.....	1053

OUT CLINICS

Each of two clinical buildings for outdoor patients is subdivided into different services, namely: for medical cases, for nervous diseases, for surgical cases; for genito-urinary and venereal diseases; for skin diseases; for diseases of the eye; of the ear, nose and throat, and for cases of dentistry. In addition to these services there is a surgical service for boys, an obstetrical and a gynecological service, and a pediatric service. In addition there is a Pasteur Clinic in the male clinic for all races, ages and sexes.

JOSEPHINE HUTCHINSON MEMORIAL CLINIC.

Additional clinical provision is to be afforded through the building erected and formerly used by the New Orleans Polyclinic. The three floors are to be used for clinics, expanding the Charity Hospital service and making new clinics as needed.

MILLIKEN MEMORIAL

The advantages of the Charity Hospital, as one of the greatest schools in the world for practical instruction, were further increased in 1899 by the addition of the Milliken Memorial, a model building for the accommodation of two hundred sick children.

THE DELGADO MEMORIAL

The Delgado Memorial was completed and formally dedicated at the Charity Hospital with appropriate ceremonies on December 19th, 1908, and was opened for the reception of patients on April 19th, 1909. This beautiful building was "erected in loving memory of Samuel and Virginia Delgado, for the relief of the suffering poor of both sexes who may be benefited by the Science and Art of Surgery." The Memorial occupies a conspicuous place on the grounds of the Charity Hospital with the entrance facing on Tulane Avenue. It is a five story building, strictly fire proof. It was erected and equipped at a cost of 200,000 dollars.

The honor of naming the two chief operating rooms the "Ernest S. Lewis" and the "Rudolph Matas" operating rooms was conferred by Mr. Delgado on these two members of the Tulane Faculty, with the concurrence and approval of the Board of Administrators of the Hospital, not only as an expression of his personal friendship for these gentlemen, but of his appreciation of their long service as visiting surgeons and teachers at the Charity Hospital.

The greatest significance is attached to Mr. Delgado's generous donation from the point of view of medical education and progress and he has specifically stated that the operative material of the Memorial shall always be at the disposition of the heads of the departments of Surgery and Gynecology in Tulane, and for these departments the building was erected and arranged.

Upon the death of Mr. Isaac Delgado, on January 4, 1912, the further sum of \$100,000 was left in trust with the provision that the income should be administered in carrying out the original wishes of the testator when the Memorial was erected. That this might be done in the further interest of the Medical School the trustees named were Professors Matas and Lewis, and the Dean of the Medical School, and their successors.

CLINICAL INSTRUCTION

The professors and clinical instructors are attending physicians or surgeons of the various hospitals and visit their wards and clinics daily, accompanied by the students, who are thus brought into immediate contact with the sick and wounded and are taught practically, including all modern methods of clinical, microscopical and laboratory diagnosis, and surgical procedure and technic. Surgical operations are performed and lectures delivered upon selected cases in the amphitheatres of the hospital.

Special clinical instruction is given to all students of the third and fourth years, who are for this purpose divided into sections and assigned to the professors and clinical instructors in charge of wards and outdoor clinics of the hospitals. The classes thus formed interchange courses so that all students enjoy equal advantages. Competent chiefs of clinics aid the clinical teachers in developing this system of instruction.

Lectures on all branches where demonstrations of cases are practicable and of service, will be delivered in the Hospital amphitheatres daily, during the morning hours.

Sections of the classes are taught gross and spécial pathology by practical demonstrations in the autopsy rooms of the Pathological Department of the Hospital and in the special laboratories of the Hutchinson Memorial.

HOSPITAL INTERNS

CHARITY HOSPITAL

The administrators of the Charity Hospital elect annually, by competitive examinations, ten to twenty resident interns from the graduating class of the Tulane School of Medicine. These interns are entitled to board and lodging in the institution free of charge and enjoy many privileges and opportunities incident to a two years' incumbency. Graduate externs are also selected for like service, with privileges of interns, though living outside the hospital.

TOURO INFIRMARY

Six or more interns, who must also be graduates, are elected annually by the Administrators of the Touro Infirmary, with service for two years.

This institution has recently been entirely rebuilt with modern construction in every particular and is representative of the highest type of hospital detail and equipment in all of its departments. It is non-sectarian in its charity, though the administration is directed by prominent members of the Jewish community. The visiting staff is derived from the best available men in all branches, and the Faculty of the School of Medicine of Tulane is well represented.

Through the courtesy of the Board and of the medical staff, surgical operations and other clinics at Touro Infirmary are witnessed by groups of men from the fourth year class, regularly assigned to the professors and instructors in various clinical branches.

While this institution provides for the care of private patients, its charity wards and extensive clinics care for thousands of cases annually.

OTHER HOSPITALS AVAILABLE

The Shreveport Charity Hospital elects six or eight interns for a service of one year from June 1. Examination is offered to graduates of Tulane and other A + and Class A Colleges.

The St. Louis City Hospital has vacancies to be filled annually by competitive examination, to which Tulane graduates are eligible.

This modern hospital of some 800 beds offers an excellent hospital experience. Other hospitals in New York, Cincinnati, Boston, etc., are open to Tulane graduates.

A number of other smaller Hospitals in Louisiana, Alabama, Mississippi and Texas offer excellent experience, and appointments are obtained by meritorious students upon the recommendation of the Faculty of the Tulane Medical School.

Besides these, public health positions are open to Tulane graduates qualified in the School of Hygiene and to those furnishing the necessary training in the courses in Tropical medicine, vacancies on the ships and in the Hospitals connected with the Tropical services are also open. A number of Tulane graduates avail themselves of the ship services during the summer months.

REQUIREMENTS FOR ADMISSION

The requirements for admission to the School of Medicine of the Tulane University of Louisiana are as follows:

ADMISSION TO PREPARATORY COURSE

- 1) Fourteen and a half units of education are required for entrance.
- 2) A "unit" is a subject pursued through one school year, with not less than five recitation periods per week.
- 3) Applicants with twelve units may be admitted to partial standing.
- 4) Applicants presenting less than 12 units will not be received.
- 5) All applicants *must offer three units in English, three units in Mathematics* and the additional units from the other subjects here listed. Two units in either Latin or Greek must be offered, but two units in a modern language may be substituted.

6)			
1. English Composition	2	16. Physics	1
2. English Literature	1 or 2	17. Chemistry	1
3. Elementary Algebra	1½	18. Biology	1
4. Plane Geometry	1	19. Botany	1
5. Solid Geometry	½	20. Zoology	1
6. Trigonometry	½	21. Physiology	1
7. Latin	2, 3 or 4	22. Physiography	1
8. Greek	2 or 3	23. Freehand Drawing	1
9. French	2 or 3	24. Mechanical Drawing	½
10. Spanish	1 or 2	25. Wood-working	½
11. German	2 or 3	26. Foundry Work	½
12. Ancient History	1	27. Forge Work	½
13. Med. and Mod. Hist.	1	28. Machine Tool Practice	1
14. English History	1	29. Comparative Anatomy	1
15. American History	1	30. Pharmacy	1 or 2

7) Certificates for work done in recognized preparatory schools will be accepted only in the case of **graduates** of those schools. Applicants for admission who **have not graduated** from a recognized school *will be admitted only upon examination.*

8) Applicants for admission presenting certified evidence of admission to the Freshman class of a university or college of the same standard as Tulane may submit such evidence instead of a certificate of graduation as above and this will be accepted in lieu of examination, but the credits at entrance must be furnished for record.

9) Students are admitted as partial-course students or as special students and may be credited with work accomplished, while engaged in preparation for the fulfilment of the above requirements. Such students must successfully complete *all work undertaken each term*, otherwise they shall be dropped for deficiencies and may enter again only by fulfilling the regular entrance requirements by certificate or entrance examination.

10) Special students, entering without examination or certificate, must satisfy all entrance requirements before they may become regular, and this must be accomplished before admission to the Freshman class.

11) The entrance examinations in all departments will be held during the week preceding September 27. Candidates will apply to the Dean for schedule of entrance examinations.

12) Blank forms showing entrance requirements in detail will be furnished on request to the Dean.

ADMISSION TO FRESHMAN CLASS

Students applying for admission to the Freshman year in the Tulane School of Medicine must submit official evidence of

1. Graduation from a four year high school course with fourteen and a half units as specified under "Admission to Preparatory Year."

2. In addition evidence must be submitted showing **one year** of college work in the following subjects:—

Biology (Botany and Zoology, or Botany and Embryology, $\frac{1}{2}$ year each) with *laboratory* credits.

Chemistry (general chemistry) with *laboratory* credits.

Physics with *laboratory* credits.

One Modern Language (French, German, Spanish or Italian).

This evidence must be supplied by proper college official and must bear the seal of the college or university issuing the same.

3. The science courses and modern languages must satisfy the following requirements:

This preliminary college year shall include courses in **Physics, Chemistry, Biology and German or French**, each course to embrace at least eight semester hours of didactic and laboratory work in each subject as shown in the following schedule, provided that a student may satisfy the requirement of physics in presenting one unit of high school physics and completing a half year of college physics which continues and does not duplicate the work done in high school:

SCHEDULE

SUBJECT	Lectures or Recitations Per Week	Laboratory Periods * Per Week	Total Hours Per Semester	Total Hours Per Year
Biology, 1	2 or 3	2 or 1	4	8
Chemistry, 1	2	2	4	8
Physics, 1	2	2	4	8
German or French, 2	4 or 3	4 or 3	8 or 6
Totals	10	6 or 5	16 or 15	32 or 30

*Each laboratory period must extend over at least two hours.

4. Applicants with credit of one or more years of college work are admitted upon evidence that such work included at least one year's work in the specified sciences.

REQUIREMENTS FOR ADVANCED GRADES

A set of tickets, showing that the holder has attended one full medical course in any regular, recognized medical college, is essential to matriculating for a second year course; and every student, prior to matriculating for a third or fourth year course, shall be required to show by similar evidence that he has previously taken two or three annual courses in medicine. To be credited with a full course, at least eighty per cent of the session must have been attended.

Students from other colleges entering the second, third, or fourth year will be required to show evidence that the entrance requirements of the college at which they commenced the study of medicine were not less than the requirements of this School at the same time.

Any student, who, during his courses in this college, convicts himself of defective general education, shall be required to remove this disability before he is graduated.

SYNOPSIS—STUDIES AND EXAMINATIONS

The full course of Lectures and all Laboratory Courses will begin Wednesday, September 30, 1914.

Preliminary Year (a)—Biology (Botany and Zoology), chemistry, physics, embryology, histology, and one modern language (French, German or Spanish.)

(b) Examinations will be held during or at the close of the year on all branches taught, and records of satisfactory examinations and laboratory attendance *will be required* in biology, chemistry, and physics. Due credit will be allowed for laboratory work and for examinations in all other branches taken.

First Year (Freshman) (a)—Chemistry and toxicology, anatomy; chemistry, histology, embryology, organology, osteology, minor surgery, practical anatomy (dissecting), in their laboratories.

(b) Examinations will be required during or at the close of the first year on branches taught in this year, embraced by the departments of chemistry and anatomy and minor surgery. Records of satisfactory attendance and knowledge in the laboratories of chemistry, of minor surgery, of histology, embryology and organology, and of practical anatomy, will also be required.

Second Year (Sophomore) (a)—Chemistry, physiological and medical, anatomy, physiology, materia medica and pharmacology with their laboratories; physical diagnosis, and minor surgery, in their laboratories; neurology, topographical anatomy, physiology, pharmacology, pathology, bacteriology, and physiological and medical chemistry, in these laboratories.

(b) Examinations will be required during or at the close of the second year on the branches taught in this year, embraced in the departments of chemistry, anatomy, physiology, of materia medica and pharmacology, physical diagnosis, pathology and bacteriology and of minor surgery. Records of satisfactory knowledge and attendance in the laboratories of anatomy, of chemistry, of minor surgery, of physiology, of pharmacology, and of pathology and bacteriology, will also be required.

(c) Students from other colleges, who may enter the second year of this college, will be conditioned on all the studies and examinations of the first year that they may have failed to pass

at the medical college previously attended and all but one of these conditions must be removed before they will be allowed to go on with Second Year work.

Third Year (Junior) (a)—Theory and principles of medicine, of surgery, of obstetrics and gynecology (including obstetrical manipulations in normal labor), and clinical instruction in those branches, gross pathological anatomy, physical diagnosis; therapeutics; clinical medicine, tropical medicine and hygiene; diseases of the eye, of the skin, venereal and genito-urinary diseases, diseases of children; hygiene, pathology and clinical medicine in these laboratories.

(b) Examinations will be required during or at the close of the third year on the branches taught in this year and embraced by the departments of the practice of medicine, of therapeutics, of surgery, of obstetrics, of diseases of children, and of pathological anatomy, clinical medicine, tropical medicine and hygiene, physical diagnosis, diseases of the eye, diseases of the skin, venereal and genito-urinary diseases. Records of satisfactory attendance and knowledge from the laboratories of tropical medicine and hygiene, pathology and of clinical medicine will be also required.

(c) Students from other colleges entering the third year will be conditioned on the following branches—chemistry, anatomy, physiology and materia medica, pathology and bacteriology, and pharmacology. (Exceptions to this rule will be made for students entering from colleges of the same standards of entrance and advancement as required at Tulane, and who present evidence, duly certified, of having passed these branches at these institutions). **They will also be conditioned, on the following branches, unless they submit satisfactory evidence that they have completed them at other medical colleges, viz: Minor surgery, physical diagnosis, and all the laboratory courses of the first and second years.**

Fourth Year (Senior) (a)—The practice of medicine, of surgery, of obstetrics and gynecology (including obstetrical manipulations), of therapeutics, and clinical instruction in those branches, diseases of the nervous system, of children, of the skin, and of the eye, ear, nose, and throat, orthopedics, medical jurisprudence; pathology, clinical medicine, tropical medicine and hygiene, and operative surgery in these laboratories.

(b) Examinations will be required during or at the close of the fourth year, on the branches taught in this year, embraced by the de-

partments of the practice of medicine, of therapeutics, of tropical medicine and hygiene, of surgery, of obstetrics, of pathology, of gynecology, of the diseases of children, of the nervous system, of the skin, and of the eye, of the ear, nose, and throat, of orthopedics and of medical jurisprudence. A record of satisfactory attendance and knowledge from the laboratories of clinical medicine, pathology and of operative surgery will also be required.

(c) **Students from other colleges applying for admission to the fourth year will be conditioned on the following branches—**chemistry, anatomy, physiology, materia medica, pathology and bacteriology, and pharmacology. (Exceptions to this rule will be made for students entering from colleges of the same standards of entrance and advancement as required at Tulane, and who present evidence, duly certified, of having passed these branches at these institutions). **They will also be conditioned on therapeutics, clinical medicine, surgery, obstetrics and gynecology, diseases of children, gross pathology, minor surgery, physical diagnosis, venereal and genito-urinary diseases, and the laboratory courses of the first three years unless they submit satisfactory evidence of having attended these branches and laboratory courses at other medical colleges.**

Physical Training: Students in the School of Medicine must satisfy the scheduled hours in physical training, and obtain a passing grade from the physical director, showing credit for one year's work in the Freshman class. Students offering established credits from other institutions may be excused if such credits satisfy the requirements of this institution.

TABLE OF SUBJECTS EACH YEAR

FIRST YEAR	SECOND YEAR
Anatomy	Anatomy
<i>Gross Anatomy</i> }	<i>Neurology</i>
<i>Osteology</i> }	<i>Topographical Anatomy</i>
<i>Embryology</i>	Bacteriology
<i>Histology</i>	Chemistry (<i>Physiological</i>)
<i>Organology</i>	<i>Didactic</i>
Chemistry (<i>General</i>) and	<i>Laboratory</i>
Toxicology	Minor Surgery
<i>Didactic</i>	Pathology
<i>Laboratory</i>	Pharmacology
Minor Surgery	Physical Diagnosis
	Physiology
THIRD YEAR	FOURTH YEAR
Clinical Surgery (<i>Minor</i>)	Diseases of Children
Diseases of Children	“ “ Ear, Nose and Throat
Diseases of Eye	“ “ Eye
Diseases of Skin	“ “ Nervous System
Gynecology	“ “ Skin
Laboratory of Clinical Medicine	Gynecology
Medicine	Medical Jurisprudence
Physical Diagnosis	Medicine
Therapeutics	(<i>including Physical Diagnosis, Internal Medicine and Laboratory of Clinical Medicine</i>)
Obstetrics	Obstetrics
Pathology	Operative Surgery
Surgery	Orthopedics
Hygiene and Preventive Medicine	Pathology
Venereal and Genito-Urinary Diseases	Surgery
	Therapeutics
	Tropical Medicine, Hygiene and Preventive Medicine

FIRST YEAR—Schedule of Lectures, Laboratory Exercises, Etc. SESSION 1913-14 FIRST TERM—SEPTEMBER 29, 1913, TO JANUARY 31, 1914

SUBJECTS	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Hrs. per Week	Total Hours
Embryology—Lectures		8:30-9:30					5	80
Embryology—Laboratory	8:30-10:30	9:30-11:30						
Histology, Lecture					8:30-9:30	8:30-9:30	8	128
Histology, Laboratory					9:30-12:30	9:30-12:30		
Minor Surgery			8:30-10:30				2	32
Chemistry, Lecture	11-12	11:30-12:30	11-12	11-12			4	64
Gross Anatomy, Laboratory	1-4:30	1-4:30	1-4:30	1-4:30	1:30-5		18 3-4	288
Gross Anatomy—Quiz				9:30-10:45				
Total Hours First Term							37 3-4	604

SECOND TERM—FEBRUARY 22 TO MAY 2, 1914

Chemistry, Lecture	11-12	11-12	11-12	11-12			18	160
Chemistry, Laboratory	8:30-10:30	8:30-10:30	8:30-10:30					
Organology, Lecture					8:30-9:30	8:30-9:30	8	128
Organology, Laboratory					9:30-12:30	9:30-12:30		
Gross Anatomy, Laboratory	1-4:30	1:30-5	1-4:30	1-4:30	1:30-5		18 3-4	300
Gross Anatomy—Quiz				9:30-10:45				
Total Hours Second Term							36 3-4	588
Total Hours First Year								1192

SECOND YEAR—Schedule of Lectures, Laboratory Exercises, Etc., SESSION 1913-14
FIRST TERM—SEPTEMBER 29, 1913 TO JANUARY 31, 1914

SUBJECTS	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Hrs. per Week	Hrs. per Term
Physiology, Lecture	3:30-4:30	10:30-11:30		3:30-4:30	10:30-11:30	10:30-11:30	5	80
Physiology, Laboratory	1:30-3:30			1:30-3:30			4	64
Bacteriology, Laboratory			1:30-4:30		1:30-4:30		6	96
Bacteriology, Lecture					11:30-12:30	11:30-12:30	2	32
Physiological Chemistry	8:30-10:30	8:30-10:30	8:30-10:30	8:30-10:30	8:30-10:30	8:30-9:30	11	176
Neurology, Lecture		11:30-12:30 Quiz 1:30-2:30		11:30-12:30			3	48
Neurology, Laboratory		2:30-4:30	10:30-12:30				4	64
Materia Medica and Pharmacology ..	10:30-12:30			10:30-11:30			3	48
Physical Diagnosis						9:30-10:30	1	16
Total Hours First Term							39	624

SECOND TERM—FEBRUARY 2 TO JUNE 2, 1914

Physiology, Lecture.....	8:30-9:30		8:30-9:30	10:30-11:30	4	64
Physiology, Laboratory.....	Quiz 10:30-11:30	9:30-11:30		9:30-11:30	5	80
Pathology, Laboratory.....	2:30-4:30	1:30-4:30			7	112
Pathology, Lecture.....	1:30-2:30		10:30-11:30		3	48
Pharmacology, Lecture.....	9:30-10:30	11:30-12:30	11:30-12:30	11:30-12:30	5	80
Pharmacology, Laboratory.....	10:30-12:30				2	32
Topographical Anatomy, Laboratory.....			1:30-4:30	1:30-4:30	6	96
Physical Diagnosis.....			9:30-10:30	8:30-10:30	4	64
Minor Surgery.....	8:30-9:30	8:30-9:30			2	32
Total Hours Second Term.....					38	608
Total Hours Second Year.....						1232

N. B. { Chemistry in the Richardson Chemistry Building.
 { All other exercises in the Richardson Memorial.

Third Year—Order of Lectures, Clinics, Laboratory Exercises, Etc.—Session 1913-14

Hours		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 9:30	Miles Amphitheater	Surgery Prof. Matas	Hygiene Dr. Sexton	Dis. of Children Prof. DeBuys and Assistants Recitations	Medicine Prof. Guthrie Prof. Lemann	Dis. of Children Prof. DeBuys and Assistants Recitations	Nervous Diseases Dr. Van Wert
9:30 to 10:45	I	Gynecology Prof. Clark	Minor Surgery Dr. Sexton	Gynecology Prof. Clark	Minor Surgery Dr. Sexton	Gynecology Prof. Miller	Minor Surgery Dr. Sexton
	II	Surgery Prof. Smyth Dr. Maes, Dr. Allen	Genito-urinary & Venereal Diseases Prof. Hume	Surgery Prof. Smyth Dr. Maes, Dr. Allen	Genito-urinary & Venereal Diseases Prof. Hume	Surgery Prof. Smyth Dr. Maes, Dr. Allen	Genito-urinary & Venereal Diseases Prof. Hume
	III	Clinical Medicine Prof. Guthrie Dr. Lyons	Dis. of Children Touro Infirmary Prof. DeBuys Charity Hospital Dr. Strong	Clinical Medicine Prof. Guthrie Dr. Lyons	Dis. of Children Touro Infirmary Prof. DeBuys Charity Hospital Dr. Strong	Clinical Medicine Prof. Guthrie Dr. Lyons	Dis. of Children Touro Infirmary Prof. DeBuys Charity Hospital Dr. Strong
	IV	Pathology Prof. Duval Clin. Obstetrics Prof. Miller	Clinical Medicine Prof. Lemann	Pathology Prof. Duval Clin. Obstetrics Prof. Miller	Clinical Medicine Prof. Lemann	Pathology Prof. Duval Clin. Obstetrics Prof. Clark	Clinical Medicine Prof. Lemann

N. B.—Classes I, II, III and IV interchange teachers Nov. 24, Feb. 2 and Mar. 30.

11 to 12	Medical Quiz Dr. Simon Dr. Lyons Dr. J. E. Landry Dr. Pratt	Genito-urinary and Venereal Diseases Prof. Hume	Obstetrics Prof. Miller	Surgery Prof. Matas (Amphitheater)	Dis. of the Skin Prof. Dyer Dis. of the Eye Prof. Feingold	Surgery Prof. Matas Prof. Gessner
12 to 1	Gynecology Prof. Clark	Surgery Prof. Matas	Surgery Prof. Matas	Medical Quiz Dr. Simon Dr. Lyons Dr. J. E. Landry Dr. Pratt	Materia Medica and Therapeutics Prof. Halsey Prof. Guthrie Dr. Bethea	Materia Medica and Therapeutics Prof. Halsey Prof. Guthrie Dr. Bethea
2 to 4:30	2 to 4:30—Laboratory of Pathological Anatomy Prof. Courret, Dr. Lanford and Assistants		2 to 3 Gynecological Pathology		Sections I & II and Sections III & IV Change Laboratories February 2	
	Sections I and II		2:30 to 4:30—Laboratory of Clinical Medicine and Tropical Medicine Prof. Bass, and Assistants			
	Sections III and IV					

Fourth Year—Order of Lectures, Clinics, Laboratory Exercises, Etc.—Session 1913-14

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 9:30	I Medicine Prof. Elliott	Medicine Prof. Elliott	Tropical Medicine Prof. Weis	Medicine Prof. Elliott	Medicine Prof. Elliott	Medicine Prof. Elliott
	II Medicine Prof. Bel	Dis. of the Skin Prof. Menage	Medicine Prof. Bel	Dis. of the Skin Prof. Menage	Medicine Prof. Bel	Gynecology Prof. Lewis (Amphitheater)
	III Dis. of Children Touro Infirmary Prof. Butterworth Charity Hospital Dr. Rice	Medicine Profs. Halsey & Eustis & Dr. Jones Touro Infirmary Prof. Eshleman	Dis. of Children Touro Infirmary Prof. Butterworth Charity Hospital Dr. Rice	Medicine Profs. Halsey & Eustis & Dr. Jones Touro Infirmary Prof. Eshleman	Dis. of Children Touro Infirmary Prof. Butterworth Charity Hospital Dr. Rice	Medicine Profs. Halsey & Eustis & Dr. Jones Touro Infirmary Prof. Eshleman
	IV Surgery Prof. Matas (Amphitheater)	Surgery Prof. Gessner (Amphitheater)	Dis. of the Eye Prof. Feingold (Amphitheater)	Prescription Writing Dr. Bethea	Surgery Prof. Smyth Prof. Perkins Dr. Souchon Dr. Maes, Dr. Allen (Amphitheater)	Gynecology Prof. Lewis (Amphitheater)
	V Dis. of Nervous System Dr. Van Wart Dr. Hummel	Medicine Prof. Elliott Prof. Weis	Dis. of Nervous System Dr. Van Wart Dr. Hummel	Medicine Prof. Elliott Prof. Weis	Dis. of Nervous System Dr. Van Wart Dr. Hummel	Medicine Prof. Elliott Prof. Weis
	I Medicine Prof. Bel Dr. Simon Dr. Mahler	Dis. of the Skin Prof. Dyer	Medicine Prof. Bel Dr. Simon Dr. Mahler	Dis. of the Skin Prof. Dyer	Medicine Prof. Bel Dr. Simon Dr. Mahler	Dis. of the Skin Prof. Dyer
9:30 to 10:45	II Dis. of Children Touro Infirmary Prof. Butterworth Charity Hospital Dr. Rice	Medicine Profs. Halsey & Eustis & Dr. Jones Touro Infirmary Prof. Eshleman	Dis. of Children Touro Infirmary Prof. Butterworth Charity Hospital Dr. Rice	Medicine Profs. Halsey & Eustis & Dr. Jones Touro Infirmary Prof. Eshleman	Dis. of Children Touro Infirmary Prof. Butterworth Charity Hospital Dr. Rice	Medicine Profs. Halsey & Eustis & Dr. Jones Touro Infirmary Prof. Eshleman
	III Surgery Prof. Matas (Delgado Memo'l)	Dis. Ear, Nose and Throat Touro Infirmary Prof. Landfried	Surgery Dr. Crawford Dr. L. H. Landry (Delgado Memo'l)	Dis. Ear, Nose and Throat Touro Infirmary Prof. Landfried	8:30-10:45—Surgery Profs. Matas & Gessner Touro Infirmary	Dis. Ear, Nose and Throat Touro Infirmary Prof. Landfried
	IV Orthopedics & Surg Dis. of Children Prof. Fenner	Surgery Prof. Gessner Prof. Perkins Dr. Souchon	Orthopedics & Surg Dis. of Children Prof. Fenner	Surgery Prof. Gessner Prof. Perkins Dr. Souchon	Orthopedics & Surg Dis. of Children Prof. Fenner	Surgery Prof. Gessner Prof. Perkins Dr. Souchon
	V Dis. of the Eye Prof. Feingold	Gynecology Prof. Miller	Dis. of the Eye Prof. Feingold	Gynecology Prof. Clark	Dis. of the Eye Prof. Feingold	Gynecology Prof. Clark
	VI					

CLINICAL CLASSES
HOSPITAL AND OUT CLINICS
DIVISIONS A AND B EXCHANGE FEBRUARY 2

N. B.—Clinical Classes change Nov. 10, Dec. 15, Feb. 2, March 9, and April 13.

11 to 12	Dis. of the Skin Prof. Dyer	Medicine Prof. Bel Pediatrics Prof. Butterworth	Medicine Prof. Elliott (Amphitheater)	Surgery Prof. Matas (Amphitheater)	Therapeutics Prof. Halsey Prof. Guthrie (Amphitheater)	Surgery Prof. Matas (Amphitheater)
12 to 1	Obstetrics Prof. Miller	Dis. Ear, Nose and Throat Prof. Landfried	Dis. of the Eye Prof. Feingold	Regional Surgery Prof. Matas	Gynecology Prof. Clark	Orthopedics & Surg. Dis. of Children Prof. Fenner
2 to 3	Medicine Prof. Elliott and Staff	Sec. IV, V, VI Pa- thology--Prof. Duval Sec. I, II, III, Medicine --Prof. Eustis	Tropical Medicine Prof. Wellman	Pediatrics Prof. Butterworth	Medical Jurisprudence Prof. Metz	
3 to 5	<p>Sections of Classes IV, V and VI—Laboratory of Operative Surgery Prof. Gessner and Assistants</p> <p>Sections of Classes I, II and III—Laboratory of Clinical Medicine and Tropical Medicine—Prof. Bass and Assistants</p>					
	<p>Classes I, II, III 3 to 4 Materia Medica and Therapeutics Profs. Halsey and Guthrie Dr. Bethea</p> <p>4 to 5 Laboratory of Clinical and Tropical Medicine Prof. Bass and Assistants</p> <p>Classes IV, V, VI—3 to 5 Laboratory of Pathology Prof. Couret, Dr. Lanford and Assistants</p>					
	<p>N. B.—Operative Surgery Classes: Sec. IV, V, VI, Sept. 29, to Jan. 31 Sec. I, II, III, Feb. 2, to May 16</p>					

N. B.—Instruction indicated in bold type at Hutchinson Memorial, 1551 Canal Street. At Tonro Infirmary as indicated.

All other exercises at Charity Hospital.

¶ Sections of Clinical Obstetrics—Prof. Miller and Prof. Clark.

DISTRIBUTION OF INSTRUCTION*
SESSION 1913-14

	Laboratory	Lectures and Recitations	Amphitheater	Clinics	Totals	Grand Totals
Anatomy:						
Embryology	64	16			80	
Histology and Neurology	256	112			368	
Gross and Topographic Anatomy	656	40			696	1144
Chemistry and Physiology:						
Inorganic and Organic Chemistry	96	128			224	
Physiological Chemistry	176				176	
Physiology	160	128			288	688
Pharmacology and Therapeutics:						
Materia Medica, Pharmacy and Pharmacology	48	112			160	
Therapeutics and Prescription Writing		109	30		139	299
Pathology and Bacteriology:						
Bacteriology	96	32			128	
Pathology	283	64			347	475
Tropical Medicine and Hygiene:	60	62			122	122
Medical Jurisprudence:		30			30	30
Internal Medicine:						
Physical Diagnosis	48	32			80	
Internal Medicine		119	70	177	366	
Laboratory of Clinical Medicine	210				210	
Pediatrics		94	16	63	173	
Diseases of the Nervous System		32	7	18	57	886
Surgery:						
Operative Surgery	90				90	
Minor Surgery	32	32			64	
General Surgery		94	173	93	360	
Genito-Urinary Surgery		32		30	62	
Orthopedics		30		18	48	
Diseases of the Skin		54		18	72	
Diseases of the Eye		36	15	18	69	
Diseases of Ear, Nose and Throat		30		18	48	813
Obstetrics and Gynecology:**	15	120	15	78	228	228
	2290	1504	326	453	4685	4685

* Subject to revision.

**Does not include time spent in actual obstetrical practice.

REMOVAL OF CONDITIONS

Students of the first three years who have attended any session and failed to pass satisfactorily the examinations required for that session, and students from other colleges who may be conditioned at entrance, may stand the examinations for the removal of such conditions, at the Fall examinations held for that purpose, between September 18 and 26, and before the regular term opens.

Any student failing on two subjects in the Freshman year shall be required to repeat the year. Any student with one failed subject may remove that subject at the fall examination for conditioned students or may carry one condition into the Sophomore year, with the understanding that said condition must be removed before the beginning of the next session following.

Any student failing on three subjects in the Sophomore year shall be required to repeat the year. Any student with two failed subjects may remove these at the fall examination for conditioned students. If only one subject is removed the student may advance to the Junior year, with the understanding that the remaining condition must be removed before the beginning of the next session following. In the event that neither of the two conditions are removed, the student cannot advance to the Junior year.

ALL SUBJECTS OF PREVIOUS YEARS MUST HAVE BEEN PASSED, BEFORE ADMISSION TO THE SENIOR YEAR, IN FULL STANDING, IS ALLOWED.

SCHEDULE OF CONDITION EXAMINATIONS

FALL OF 1914

9-11 A. M.

1-3 P. M.

September

Friday	18	Medicine; Therapeutics	Obstetrics and Gynecology.
Saturday	19	Surgery	Genito-Urinary and Venereal Dis.
Monday	20	Hygiene.	Clinical Surgery, Diseases of Children.
Tuesday	22	Clinical Medicine. Pathology and Bacteriology.	
Wednesday	23	Anatomy	Histology
Thursday	24	Organology and Neurology.	Physiology.
Friday	25	Chemistry	Minor Surgery.
Saturday	26	Physical Diagnosis. Mat. Medica and Pharmacology.	

COLLEGES RECOGNIZED FOR ADVANCED STANDING

Students from **Class A plus** and **Class A Colleges** applying for admission to the School of Medicine of the Tulane University of Louisiana will be required to satisfy the entrance requirements of this School and to present authentic evidence of having passed the branches of any one or all of the first three years, *as required at this institution*, otherwise they will be required to undergo entrance examinations on these branches as declared in this announcement.

Students from **Class B Colleges** will be required to satisfy the entrance requirements and to pass examinations on all branches covered in the Tulane curriculum for the first two years. *Not more than two years credit will be allowed students from Class B Schools.*

Students from **Class C Schools** will be required to satisfy the entrance requirements and to pass examinations on the branches covered in the curriculum of the first year at Tulane. *Not more than one year's credit will be allowed students from Class C Schools.*

Students from other Medical Colleges must submit evidence of entrance credits showing not less than the requirements at Tulane at the time they began the study of Medicine, as follows:

Prior to 1908, a high school diploma.

Prior to 1910, a high school certificate, with evidences of not less than fourteen and a half units.

Since and including 1910, a high school certificate and one year of college work. (See **Requirements for Admission**).

EXTERN SERVICE

During the summer months students who have satisfactorily completed their third year and who have registered for the next session may receive appointments as externs on recommendation of the Faculty.

SUMMER SCHOOL OF MEDICINE

For several years the Tulane Medical School has provided instruction for students of this department, for intending students from other colleges and for graduates in medicine in the laboratory and clinical branches embraced in the teaching divisions of the department.

While a considerable part of the work of this school relates to the subjects and courses covered in the regular curriculum, and is intended for purposes of review, the Summer School has always offered advanced work, including research, for students and physicians desiring such.

All students in the Summer School are required to register at the office of the School of Medicine at the Hutchinson Memorial, No. 1551 Canal Street.

The registration fee for each student is \$5, and the fees for individual courses vary. This fee will entitle each matriculant to visit the Charity Hospital and its clinics, and will also register the student, if otherwise qualified, for the regular college term, beginning September 30, 1914. Due notice is required, stating the intention of the student to take advantage of this double registration for one fee. **No student will be so registered for the regular term without such notice, and such registration will become effective only upon the personal presentation of the registration card of the Summer School within the first week of the opening of the regular session.**

The fees and detailed information for individual courses of the summer school are printed in the regular **Announcement of the Summer School of Medicine** (sent on request).

While the summer courses offered in this school are intended for review and advanced work, credit will be given wherever the work in any one department may justify it, and upon the recommendation of the head of the department in which the instruction is given.

Students from other schools with entrance conditions and conditioned students in the School of Medicine of Tulane may satisfy their conditions by courses in the Summer School covering deficiencies, and may be examined for such conditions by the heads of departments, who may pass upon the same at the conclusion of the summer courses. Grades obtained in such examinations will be duly credited.

The Summer School begins annually the first Monday after commencement.

REQUIREMENTS FOR GRADUATION

Every candidate for graduation must be of good moral character, which includes good conduct while a student of the Medical School, must have attained the age of twenty-one years, and must have complied with all the educational requirements.

He must have attended, in a regular and reputable medical college at least 80 per cent. of each of four full year courses, of not less than thirty-two weeks each in four separate years; and the last of these courses must have been in this institution.

Candidates for graduation must have taken (1) two annual courses of clinical medicine; (2) the required courses of practical anatomy, including the various laboratories; (3) two courses in a chemical laboratory: one of organic chemistry and one of physiological and medical chemistry; (4) prescribed laboratory courses of histology, physiology and of pathology, bacteriology, and clinical medicine and of hygiene and tropical medicine; (5) one course in the laboratory of pharmacology; and (6) one course in a laboratory of operative surgery. They must submit evidence of satisfactory attendance and knowledge of all these laboratory courses.

Every candidate for graduation must have paid all college dues, including the graduation fee, and must pass satisfactory examinations before the members of the faculty on all branches scheduled in the years of his attendance.

A candidate for graduation, who fails to pass satisfactory final examinations after two annual trials, will not be examined again. Rejected candidates are required to repeat the entire fourth year.

ATTENDANCE ON MORE THAN FOUR ANNUAL COURSES

Students who have attended and paid for all of the full required courses, the last of which was in this institution, are thereafter entitled to attend the lectures and the hospitals upon payment of matriculation and laboratory fees.

TABLE OF FEES—SESSION 1914-1915

	Matriculation	Infirmary Fee	Athletic Fee	Microscope Fee	Dissecting Material	Breakage Fee	Tuition	Graduation Fee	Totals
Preliminary Year	\$5	\$5	\$5	—	—	\$10	\$100	—	\$125
Regular Course:									
First Year	\$5	\$5	\$5	\$10	\$10	\$10	\$150		\$195
Second Year	5	5	5	10	5	15	150		195
Third Year	5	5		10		10	165		195
Fourth Year	5	5		10		10	165	\$30	225
	\$20	\$20	\$10	\$40	\$15	\$45	\$630	\$30	\$810

Considering the exceptional advantages for practical instruction in hospital and laboratories and the constant care and labor bestowed upon the pupils, the charges are as low as are compatible with the superior advantages given.

The Faculty reserves the right to increase the above fees for any year of the four-year course after the session of 1914-15.

All fees are payable on admission except the graduation fee of \$30, which is not accepted earlier than January 1, nor later than March 31. Ten dollars of this fee will be retained in the case of candidates for graduation who may fail to be graduated, or who may withdraw application after final examinations.

For the accommodation of students, payment of fees may be made in two instalments, one-half at entrance and one-half January 15. *For such accommodation a delinquent fee of two dollars will be added to the second payment.*

MATRICULATION FEE

Every person, whether student or graduate, admitted to the privileges of this institution, must pay a matriculation or registration fee of \$5 for every session or part of session he may attend; and he will not be entitled to admission to either College or Hospital until registered.

ATHLETIC FEE

An athletic fee of \$5 will be charged all students in the first two years, for the services of physical director, use of athletic facilities, gymnasium, etc.

INFIRMARY FEE

An infirmary fee of \$5 will be charged each session, which will cover all hospital care in the College Infirmary or other hospital provided in cases of ordinary illness.

MICROSCOPE FEE

Each student entering the Medical School shall be required to have his own microscope. All students not in possession of microscopes will be charged a microscope fee of \$10 per session, for the use of available college microscopes, the same, if desired, to apply to the purchase price of microscopes in the Medical School, available for sale at any time during the students' attendance. All fees not applied to the purchase price of college microscopes shall, at the end of the Senior year, or at the termination of the students' attendance at this School, become the property of the School.

BREAKAGE FEES

A breakage fee of \$5 must be deposited for each course in the laboratories of histology, chemistry, physiology, pharmacology, pathology and bacteriology, hygiene and clinical medicine, to reimburse for breakage and needless injuries inflicted on the laboratories and their contents. Any unused part of such fee will be refunded on proper demand at the end of each session, and before the beginning of the next session.

FEES FOR GRADUATES

Graduates of this College and all medical students who have paid for all of the required full courses, the last of which was in this institution, are thereafter entitled to attend the lectures and the hospital without charge for the professors' fees, but they will be charged the matriculation fee and the fees for all laboratory courses they may voluntarily attend.

The fees for *regular laboratory courses* taken apart from regular courses are uniformly fixed at \$25. *Special laboratory courses*, experimental or research, may be arranged, for which special rates will be charged.

Students who do not attend full courses, but only partial or special courses, must pay for the tickets of the professors whom they may attend, \$20 each.

Graduates of other recognized medical colleges, who are not candidates for the M. D. degree of this college, must pay, in order to attend all lectures and the hospital during a first session, the annual matriculation fee, \$5, and an additional tuition fee of \$100. For each regular laboratory course taken the additional fee of \$25 will be charged. For any subsequent session the \$100 fee is not charged. If candidates for the M. D. degree, such student physicians must pay the regular fees.

Every graduate of this College must have passed the examinations and have fulfilled the requirements of the fourth year, must have attended all of the laboratory courses required and must have paid the graduation fee, \$30.

REFUND OF FEES

Students who may withdraw for satisfactory reasons during the session and before March 15, will be refunded the unused balance of the fees for the session. *Prompt written notice at time of withdrawal is required to make this effective.* No refund will be made after March 15.

OTHER ANNOUNCEMENTS

State Board Examinations. The Louisiana State Board has announced that, beginning with the June 1912 examination, all students of *Class A + and Class A* colleges, completing the second or third year, and being certified by the proper authorities as having finished the required courses in the primary branches of Anatomy, Chemistry and Physiology, will be permitted to take the Board examinations on these subjects, and if successful these examinations will be credited towards final licensure.

Tulane Graduates Eligible to Fellowship in the Royal College of Surgeons of England, and the Royal College of Physicians of London. Official notice has been given the Tulane College of Medicine that its medical graduates will be received for fellowship examinations.

Classification of American Medical Colleges. In the last official list of the Council on Medical Education of the American Medical Association, The Tulane Medical School was listed as **A plus**.

GENERAL INFORMATION

Information about houses for boarding and lodging may be obtained from the Registrar or Clerk. The price usually paid by students varies from \$20 to \$25 per month. A list of desirable boarding houses is prepared shortly before the opening of the session and may be consulted by students on their arrival at the college.

Students in the first two years who are non-residents will be required to reside in the dormitories on the Campus unless especially excused by the Dean of the School of Medicine.

Applications for dormitory rooms should be made as early as possible, before the term opens, to the Secretary, Gibson Hall, Tulane University. Application should be accompanied by a deposit of five dollars to secure accommodation.

On request to the Dean's office parents or guardians will be furnished with students' records, *at the end of each session*.

Students receiving remittances from home are advised to obtain them in checks on New Orleans banks or in Post Office or Express money orders.

Correspondence intended for students of this department in the first

and second years should be addressed "Richardson Memorial, Tulane Campus," Station 20, New Orleans, La.; for students of third and fourth years, "Hutchinson Memorial", 1551 Canal Street, or P. O. Drawer 261, New Orleans, La.

For any additional information address:

DR. ISADORE DYER, DEAN, SCHOOL OF MEDICINE,
THE TULANE UNIVERSITY OF LOUISIANA,
P. O. DRAWER 261, NEW ORLEANS, LA.

PRELIMINARY COURSE FOR INTENDING MEDICAL STUDENTS (NOT A PART OF THE REGULAR COURSE FOR THE M. D. DEGREE).

COURSES OF INSTRUCTION

BIOLOGY

PROFESSOR GEORGE E. BEYER.

PROFESSOR R. S. COCKS.

Botany. - (*Required*).

A general introductory course comprising (1) the structure and functions of plants and the general laws of plant life; (2) an outline of the classification of plants.

Three hours of lecture and four hours of laboratory work each week for one term.

Text-book: Bergen and Davis.

COCKS

Zoology. (*Required*).

An introductory course presenting not only a systematic study of zoology, but also certain evolutionary aspects of the subject. The differences of organic structure and function between plants and animals are considered. Owing to the increasing importance of the protozoa, more time is devoted to them than to the other phyla of the animal kingdom. The subject matter is explained by lectures, diagrams, slides, and laboratory observation and dissection.

Three hours of lecture and four hours of laboratory work for one term.

Text-books: Campbell, *The Evolution of Plants*; Parker and Haswell, *Manual of Zoology*.

BEYER.

Embryology.

An introduction to the processes of development in plants and animals. The course is comparative throughout and presents embryology in its function of determining phylogeny.

Text-book: Foster and Balfour, *Elements of Embryology*.

Three hours a week. First Term.

BEYER

Embryological Laboratory.

The student will be required to follow and explain in detail the ontogeny of type specimens of plants and animals.

Two periods a week.

Entomology, Bacteriology, and Parasitology. (Optional).

The subjects in this course are especially adapted to students intending to enter the medical profession. In the first part the structure and life histories of all orders of insects which may or do enter into direct relation with man or animals by their agency in disease transmission are especially studied. The second part, Bacteriology, consists of a comprehensive course of lectures on bacterial life and development. The third part, Parasitology, is devoted to the study of the life history of animal parasites.

Three hours a week.

BEYER

Abbott, *Principles of Bacteriology*; Jordan, *General Bacteriology*.

Bacteriological Laboratory. (Optional).

In the laboratory the student will be taught entomological dissection, the preparation of microtome material, cleaning and sterilization of bacteriological glassware, the preparation of culture media, culture and methods of staining bacteria, etc.

Two periods a week.

Archinard, *Bacteriology*.

BEYER

PHYSICS (*Required*).

PROFESSOR J. H. CLO

MR. J. S. STRONG

MR. O. I. LEVY

Physics Building.

Experimental Physics. (*Required*).

This is a descriptive course in *first year college physics*, including a series of lectures and recitations and a collateral laboratory course. The course is mainly experimental rather than mathematical, and aims to give a thorough training in the scientific method of thinking and to furnish a study of the many practical applications of physics, especially those found in medicine and pharmacy.

The following topics indicate the scope of the work: dynamics and statics of solids, liquids and gases, with special emphasis on liquids and gases, elementary principles of kinematics and kinetics, wave motion with its application to sound, music and the sense of hearing, nature and effect of heat, transmission of heat, nature of light, theory of optical instruments, spectroscopy, spectrometry, polarimetry and photography, nature and applications of electricity and magnetism, electric current, resistance, electromotive force, electric quantity, electric waves and radiations, discharge of electricity in rarefied gases and radio-activity.

(a) Lectures and recitations, three hours per week throughout the year.

(b) Laboratory work, four hours per week throughout the year.

Text-book: Carhart's *College Physics* and Laboratory Sheets.

CHEMISTRY (*Required*).

PROFESSOR A. L. METZ

PROFESSOR B. P. CALDWELL

ASSOCIATE PROFESSOR C. N. WILLIAMSON

MR. MOSELEY

Richardson Chemistry Building.

General Chemistry.

The course in Chemistry pursued by preliminary medical students is the same as the General Chemistry followed by engineering and scientific pupils.

It purposes to give a thorough foundation in the fundamental theories of the science, and to show how these accepted theories have been logically developed from experimentally ascertained fact. This foundation is broad and is equally necessary for the support of a superstructure of industrial chemistry, pure scientific chemistry, or medical chemistry.

The instruction is carried on by means of lectures illustrated by experimental demonstrations or by the lantern, by written or oral quizzes, by problems given for solution, and by examinations at stated times.

Parallel with the lectures is the work of the laboratory, each student performing a list of carefully selected exercises designed to enforce the subjects of fact and theory which have been studied, as well as to cultivate technique. The attempt is made everywhere to show that the science is a live science, and that the present-day problems can be solved only as those of the past have been solved—by accurate experimental work and intelligent interpretation of the results obtained.

The subjects covered are mainly the following: The laws of chemical combination; the kinetic-molecular and atomic hypotheses; the laws of gases and of solution; the significance and use of symbols, formulæ, and equations; the theories of thermolytic and electrolytic dissociation; of valence; the elements of chemical dynamics and equilibrium; catalysis; the periodic arrangement of the elements; the occurrence in nature, preparation, properties, and commercial uses of the commoner metals and non-metals and their more important compounds. Some attention is paid also to the toxicology of the substances studied.

During the last half of the year the laboratory work consists of elementary qualitative analysis for the more important positive and negative ions in simple mixtures. This work is of special value for the prospective medical student in teaching him something of "incompatibles." Particular attention is paid to the reasons for the analytical methods employed.

The individual substances studied and related topics, are as follows:

Oxygen, hydrogen, water, sanitary and industrial examination of water, purification of water, chlorine and hydrochloric acid, the halogen family, oxides and oxy-acids of chlorine, ozone and hydrogen peroxide, sulphur and hydrogen sulphide, sulphuric acid and other acids of sulphur, nitrogen and ammonia, ammonium compounds, ice, the atmosphere, the helium family, oxides and acids of nitrogen, explosives, phosphorus, acids of phosphorus and their salts, fertilizers, carbon, carbonic acid and carbonates, carbon monoxide and dioxide, hydrocarbons, alcohols, fermentation, organic acids, etc., flame, silicon and boron and their compounds, the alkali metals, soaps, baking powders, the alkaline earth metals, hard waters, mortar and cement, plaster of Paris, glass, copper, silver and gold, electroplating, photography, magnesium, zinc, mercury, aluminium, dyeing, mordanting, ceramic industries, tin, lead, paints, arsenic, antimony, bismuth, chromium, radium, manganese, iron, cast iron, wrought iron, steel and other ferro-alloys, platinum.

This course occupies three hours a week lecture, and four hours laboratory practice.

Text-books—McPherson & Henderson's *A Course in General Chemistry*; Smith & Hale's *Laboratory Outline*; and W. A. Noye's *Qualitative Analysis*.

MODERN LANGUAGES

FRENCH AND SPANISH

*

MR. J. S. KENDALL,

Elementary French. Grammar and Reading.

Frazer and Squair, *French Grammar*; Labiche and Martin, *Voyage de M. Perrichon*; De Vigny, *Le Cachet Rouge*; Fortier, *Précis de l'Histoire de France*; Fortier, *Sept. Grands Auteurs du XIXe Siècle*.

Three hours a week.

Elementary Spanish.

Grammar; class-room reading; private reading of modern stories.

* To be appointed.

Olmsted and Gordon's *Spanish Grammar*; Isla's LeSage's *Gil Blas*; Carrion y Vital Aza, *Zaragüeta*; Alarcón, *El Capitán Veneno*; Schilling's *Don Basilio*.

Three hours a week.

GERMAN

PROFESSOR J. C. RANSMEIER

MR. A. L. VOSS

Elementary German.

Pronunciation, grammar, and exercises. Easy standard prose. The object of this course is to teach the student the fundamental principles of grammar, to write easy sentences, to write simple prose, and to understand an easy form of the spoken language.

Three hours a week.

(N. B. The student is required to take either German, French or Spanish).

REGULAR COURSES OF INSTRUCTION

DEPARTMENT OF ANATOMY

PROFESSOR IRVING HARDESTY, A. B., Ph. D. (Anatomy, Histology, etc.)

PROFESSOR GEORGE F. BEYER (Department of Biology).

ASSOCIATE PROFESSOR ROBERT BENNETT BEAN, A. B., M. D.

ASSOCIATE PROFESSOR HENRY BAYON, A. M., M. D.

Mr. John W. Faulk, Instructor in Anatomy.

Dr. Charles Daniel Cupp, Instructor in Anatomy.

Mr. Pleasant A. Taylor, Assistant in Anatomy.

Mr. Henry Lawrence Gardiner, Student-Assistant in Anatomy.

Mr. Samuel Weaver, Student-Assistant in Anatomy.

Mr. Frank Floyd Lindstaedt, Technical Assistant in Anatomy.

Mr. Charles W. Barrier, Jr., Student-Assistant in Anatomy.

LABORATORIES AND MUSEUM OF ANATOMY

The work in this department covers both Gross and Microscopic Anatomy and Embryology. The Laboratories for both divisions of the work and the Museum of Anatomy are in the Richardson Memorial Building. The laboratories are commodious, especially adapted and well equipped for the work and more equipment is being added. The museum contains a complete series of preparations illustrating human osteology and a large collection of actual dissections made by the Curator of the Museum, Professor *Emeritus* Edmond Souchon, who devotes his time gratis to the Medical Department and who has made this remarkable and useful exhibition of anatomical specimens.

GROSS OR SYSTEMATIC HUMAN ANATOMY

The courses in Gross Anatomy are offered in practical work almost entirely. Independent work on the part of the student is encouraged and stimulated as far as possible. There are no formal lectures accompanying dissection. Short laboratory talks and explanatory demonstrations will be given to groups of students in the dissecting room from time to time as occasion may require and the student at the table is subjected to questions aimed at testing the thoroughness of his work. Short conferences and

quizzes are held weekly with sections of the class. One hour each week the entire class in Anatomy is assembled for conferences and quizzes covering the structure of the body in general and the history of Anatomy. Every effort is made to induce the student to acquire actual knowledge of the construction of the body, visual images rather than word pictures of the various structures and their interrelationships. Aid in grasping topographical relations will be afforded by models, wet preparations and serial sections of the body and, after the required dissections are completed, a shorter course in Topographical Anatomy is offered as a means of summarizing and systematizing the entire work.

After the necessary work upon the entire body by the group of students to which it is assigned, the body is divided into the usual parts which are, in turn, assigned for complete dissection. Formal quizzes are given only at the completion of the dissection of a part assigned the student. The subject of Osteology and Arthrology is offered, accompanying dissection, during the first year in the laboratory, and the subject is covered in the quizzes. At the completion of the course in Topographical Anatomy, a written examination is given covering the anatomy of the entire body.

REQUIRED COURSES

The work in Gross Anatomy falls into the following divisions:

1. **Osteology and Arthrology.** (Prof. Bean and Assistants). Students are provided with skeletons in boxes and bones which they may take to their rooms. Accurate drawings of some of the typical bones will be required, which must be fully labeled and handed in for correction. The osteology of each part of the body is studied, accompanying the dissection of that part.
2. **Arm and Thorax.** (Prof. Bean and Assistants.) 150 hours during the first year.
3. **Head and Neck.** (Prof. Bean and Assistants.) 150 hours during the first year.
4. **Leg, Pelvis and Abdominal Viscera.** (Prof. Bean and Assistants.) 150 hours during the first year.
5. **Topographical and Applied Anatomy.** (Prof. Bayon and Dr. Cupp.) The intact body, serial sections of the body, models and special dissections will be used in this course with the special intent to enable the student to become more familiar with structural interre-

lations and to assemble and systematize information obtained in the preceding dissections. Sketches of the sections are required, labeled as to locality and the names of the structures represented, and, from the sections and sketches, the student is asked to construct a projection of the head and trunk, with the principal organs in position. Open only to students who have satisfactorily dissected the entire body. Two laboratory periods (6 hours) per week, including one quiz, second term of second year.

In the quizzes and the final examination in this course the student is responsible for work done in the dissections of the body, as well as for the topographical relations better acquired from the study of the serial sections.

6. Embryology. (Prof. Beyer and Assistants.) This course covers briefly the earlier stages of development and the organogenesis of the vertebrate embryo, with the descriptive work based upon what is known of the similar processes in man. The student is given experience in the fixing, preserving, embedding and staining of material. The phenomena of fertilization and cell division are studied, followed by the origin and formation of the primary germ layers and the tissues derived from them, and then the origin and elaboration of the organs of the body is taken up. In the lecture work especial attention, in addition, is given to the formation and significance of the foetal membranes, the determination of the age of human embryos, the attachment, orientation, nutrition and pathology of embryos and foetuses. Vestigial structures, inclusions and the causes which underlie the production of monsters are considered. First year, two laboratory periods (4 hours) and two lectures per week for first term.

MICROSCOPIC ANATOMY

In this work the various tissues and organs of the body are studied from both the embryological and anatomical points of view, emphasizing their differentiation and elaboration from the developmental into the adult form and their structural peculiarities and gradations. In order to bridge the usual gap between gross and microscopic anatomy, the study of a tissue or organ is frequently begun with the examination of material in the fresh state, using teasing methods and free-hand sections. The more detailed studies are made from specimens prepared by methods designed to show their distinguishing microscopic features. The routine sections are prepared by the Technical Assistant of the department and are

only mounted by the student. A small experience is afforded in the use of technical methods but not enough to thoroughly familiarize the student with the details of the different methods employed in the preparation of tissues for study. Drawings of the preparations under the microscope are required and, wherever possible, from preparations of human material. On the completion of a group of closely related structures, the student is required to hand in his drawings covering that group, neatly mounted in correct sequence and fully labeled as to the subject and the detailed structures shown. The drawings are graded and returned.

7. Histology. (Professor Hardesty and Assistants). Here is considered the anatomy of the cell, its varieties of form, the processes of its proliferation, and its differentiation into specialized types. Then follows the detailed study of the four fundamental tissues, their varieties as composed of cells and cell products and as derived from one or the other of the primary germ layers. First year, two laboratory periods (6 hours) and two lectures per week for first term.

8. Microscopic Organology. (Professor Hardesty and Assistants) The various organs comprising each functional apparatus are considered as to their form and the arrangement, number and variety of the fundamental tissues composing them, and as to their structural relations in the apparatuses they comprise. The studies are usually begun with the observation *in situ* of a group of organs comprising an apparatus or system. First year, two laboratory periods (6 hours) and two lectures per week for second term. A satisfactory knowledge of Histology (course 6) is prerequisite to this course.

9. Neurology. (Professor Hardesty and Assistants). This course is especially devoted to the macroscopic and microscopic architecture of the central nervous system and organs of special sense. The neurone, neuroepithelium etc., studied in Histology, are considered as they take part in the construction of the nervous apparatus with especial effort toward tracing the origin, termination, course and arrangement of the principal pathways of nerve impulses. Attention is given to the development and growth of the nervous system. During the last week of the course, arrangements will be made for five lectures introducing the more common clinical lesions involving the anatomy of the central nervous system. Second year, two laboratory periods (4 hours) and two lectures and one quiz per week for first term.

Text-Books: *Gross Anatomy*—Morris (5th edition); Cunningham (4th edition); Piersol; Atlases of Toldt, Spalteholz and Sabotta-McMurrich; Davis' *Applied Anatomy*; Gray (Howden's); Cunningham's Manual; Barker's Manual.

Embryology—Human Embryology (Keibel and Mall); Text-book of Embryology (Bailey and Miller); The Development of the Human Body (McMurrich), and Minot's *Laboratory Text-book of Embryology*.

Microscopical Anatomy—Stohr (Lewis), (7th edition); Piersol; Bailey; Shafer's *Essentials* (7th edition); Quain, 11th edition, vol. II, part I; Villiger's *Gehirn und Rückenmark*; Hardesty's *Laboratory Guide*; appropriate parts of Quain (11th edition) and Morris (5th edition) and the atlases used in *Gross Anatomy*.

GRADUATE AND OPTIONAL COURSES

10. Review Course in Gross Anatomy. A study-room course is offered primarily for practitioners of medicine, but also for upper classmen who have completed the required work in dissection. It will consist of the study of museum specimens, models, wet preparations and sections of the body in the possession of the Department of Anatomy. No credit toward the degree of Doctor of Medicine is given for this course. Hours may be arranged to suit applicants.

BEAN AND BAYON

11. Microscopic Organology.

Advanced study of the structures comprising either the circulatory apparatus, the digestive apparatus, or the urino-genital apparatus, is offered graduate students who wish to become more familiar with these subjects than is usual after taking the routine courses dealing with them, or candidates for the higher degrees who desire to take major or minor subjects within the Department of Anatomy.

One term. Six hours a week.

HARDESTY

12. Neurology.

Special study of the histology and macroscopic and microscopic architecture of the central nervous apparatus.

One term. Five hours a week.

HARDESTY

13. Special Anatomy of the Auditory and Optic Apparatuses

This course is offered primarily for graduate students, but is elective by others especially interested in the subject and qualified to

take it. It will deal with both the gross anatomy and detailed microscopic structure of the parts comprising the two sense organs mentioned and, in addition, will consider their pathways, connections and relationships within the brain.

Hours will be arranged to suit applicants.

One term. Five hours a week.

HARDESTY

14. Advanced Course in Gross Anatomy.

A course offered primarily for graduates in medicine, but may be taken by others who have completed the required work in dissection. It is designed to afford opportunity for a more detailed study of the macroscopic anatomy of any part of the body desired, or for an advanced study of any of the systems of organs comprising a Functional Apparatus. The viewpoint from comparative anatomy will be suggested.

15. The Development and Evolution of the Face.

In this course, the effects of selection, food, emotions, etc., will be considered as causative agents in varying face form. The Anatomy of the face will be studied in detail as preliminary.

Hours will be arranged to suit.

BEAN

RESEARCH IN ANATOMY

Advanced students of Anatomy and graduates sufficiently qualified are urged to undertake the investigation of original problems under the direction of the head of the department and members of the staff. Opportunity is given to gain experience in special histological technic and in the construction of papers for publication. Results meriting it will be published. Hours arranged to suit applicants.

DEPARTMENT OF PHYSIOLOGY

PROFESSOR GUSTAV MANN, M. D. (Physiology).

Dr. F. P. CHILLINGWORTH, Assistant Professor in Physiology.

Dr. Ralph Hopkins, Second Assistant in Physiology.

Dr. Adolph Henriques, Third Assistant in Physiology.

Mr. W. B. Terhune, Jr., Student-Assistant.

Mr. Bertie Beyford, Technician.

SYNOPSIS OF COURSE IN PHYSIOLOGY

This course includes both didactic and practical work. In addition to these, there is held each week a quiz-class and students are encouraged to come individually to the professor or to his assistants whenever they meet with any difficulty.

The didactic course comprises: (1) **Study of the cell:** functions of the nucleus, centrosomes and cytoplasm; feeding of cells: osmosis and surface tension, secretion and excretion. Micro-chemical reactions; cell-division, fertilization; degenerative changes.

(2) **Chemical Physiology:** Chemistry of simple and complex sugars; of fatty acids and of aminoacids and their synthesis into peptides. General consideration of fully formed protoplasm. Essential nature of protein compounds. Changes taking place in a starving animal; necessity of replenishing loss. General laws guiding the amount and nature of food. Organic and inorganic food-constituents and their interrelationship. Methods of determining the intake and the output of the body. Nitrogen and carbon equilibrium. Effect of muscular work on the intake and metabolism of food; effect of nervous excitability on secretion.

(3) **Physical Chemistry:** Surface tension in connection with absorption; relation of mass to surface; partial pressure and gas-tension. Electrolytes and colloids; coagulation.

(4) **Mechanical Physiology:** Movements of alimentary canal and respiratory system; phenomena of circulation in rigid and elastic systems. The locomotor-system; points of gravity etc.

(5) **Physiology of muscle and nerve.**

(6) **Central and peripheral nervous systems** considered as reflex-mechanisms.

(7) **Physiology from the Biological point of view:** (a) Alimentary Canal: Ferments and their action on foods; nervous and non-nervous control of glands and of alimentary canal. Immediate and ultimate fate of absorbed food-materials; (b) Respiratory System: Chemical changes; nervous mechanism. External and internal respiration. (c) Circulatory System; Functions of formed and unformed blood and lymph constituents; the quantity of blood in relation to rest of body; vaso-motor changes; (d) Integumentary System: Its relation to respiration, heat-regulation and excretion. Color changes in skin. (e) Symbiosis of Organs: Internal secretion. Chemical and nervous means of interrelating organs. (f)

Urinary System: Origin of products excreted. Significance of qualitative and quantitative changes in the urine. (*g*) Reproductive System: Changes at different ages. Significance of fertilization. Physiology of the fetus and the growing child. (*h*) Nervous System. Development of mental processes. Significance of education.

In addition to the above subjects dealt with in the didactic course, students will be afforded every facility for making themselves practically acquainted with those data on which the physiologist bases his deductions.

The laboratory courses comprise:

(1) **Micro-Physiology**, including the study of living cells; the circulation of blood in the capillaries of amphibians and mammals; the effect of the nervous system on circulation; the distribution of tracts in the central nervous system as revealed by degenerations following the section of nerves; the hemi-section and total section of the cord; removal of spinal ganglia; the removal of the motor area in the brain, etc.; changes produced in nerve cells, gland cells and muscle cells by functional activity; excretion of dye stuffs by glands, such as the kidney; the regeneration of injured tissues, such as divided nerves and changes in the marrow produced by bleeding; surface tension phenomena and the effect of isotonic and non-isotonic solutions; micro-chemical tests, etc.

(2) **Nerve and Muscle Physiology**, including a study in irritability, excitability and conductivity in muscle and nerves.

(3) **Vascular System**, including the workings of the heart; the control of the heart and blood vessels by the stimulation of nerves, by increasing and diminishing the total quantity of blood "generally" and "locally," etc,

(4) **Respiration**, including changes in the rate and changes in the percentage composition of expired air as the result of exercise, etc.

(5) **Food Substances** and the products of digestion.

(6) Experiments on the **Kidney**, showing the rate of normal excretion and changes induced by the injection of urea, phloridzin, etc.; the effect of blood pressure on renal secretion, etc.

(7) Methods of studying the **Special Senses** (eye, hearing, touch, etc.) and the larynx.

(8) Special demonstrations, for example: plethysmographic records of the heart; the survival of excised tissues, cerebral localization, etc.

(9) A special course in X-Ray work, including a study of bones in different stages of development; the movement of the different joints; the rate of digestion by Bismuth meals; the movements of the heart, diaphragm, etc. This course includes also a thorough exposition of the theoretical side of X-Ray work.

In addition an optional course in clinical physiology will be offered for seniors and graduates. This course will include functional tests of the glandular, circulatory, muscular and nervous systems, and methods of gas-analysis.

Text-books—Stewart, *Manual of Physiology*; Tigerstedt's *Physiology*, translated by Murlin; Lusk, *The Science of Nutrition*; Hutchison, *Food and Dietetics*.

DEPARTMENT OF CHEMISTRY, INCLUDING PHYSICS, TOXICOLOGY AND MEDICAL JURISPRUDENCE

PROFESSOR A. L. METZ, M. Ph., M. D. (Chemistry and Medical Jurisprudence) Head of the Department of Chemistry, Tulane University of Louisiana.

Mr. Rollin Guizot Myers, M. S., Demonstrator and Instructor.

Mr. Ray M. Moose, B. A., Assistant Demonstrator,
and Assistants.

First Year **Inorganic Chemistry**—This course will cover the essentials of descriptive inorganic chemistry and its application to general medicine, but particularly to the studies of physiology, pathology, hygiene and toxicology. Four lectures per week during the first term.

Organic Chemistry—This course will deal with the discussion of the theory of the chemical constitution of the carbon compounds; a study of the aliphatic derivatives. The constitution and relationships of leading groups of the carbocyclic compounds.

The carbohydrates, fats and proteins are studied in considerable detail, and the more important facts of chemical physiology and pathology are brought to the attention of the student. Four lectures per week during the second term.

This work in organic chemistry is a proper and necessary introduction to the lecture and laboratory courses in physiological and clinical chemistry of the second year.

Laboratory.—Laboratory instruction will be given students of the first year two and a half hours a day in the second term for three days in the week for a period of sixteen weeks.

The instruction here given is in harmony with the chemical lectures of the first term, and is conducted in such a manner as to secure to the student practical familiarity with material, processes and reactions as these pertain to toxicology, incompatibilities in prescription work, and such subjects of his professional study as will be useful in his subsequent practice.

This course also includes Acidimetry and Alkalimetry with Volumetric Analysis.

Second Year **Physiological Chemistry** — This course reviews briefly the facts and theories of organic chemistry; and embraces the study of the chemical relations of the starches, the sugars, the fats and the proteins, and the chemical changes occurring in plants and animals; the chemistry of salivary, gastric and intestinal digestion; the chemistry of the bile and blood.

Clinical Chemistry.—This course will include the chemistry of the excretions with special attention to the qualitative and quantitative analysis of stomach contents, urine, feces, milk, etc.

The lectures are devoted mainly to such topics of a general nature as can not well be brought up in the laboratory for direct experimentation and demonstration in the time allowed for the course.

Laboratory Work.—Students of the second year will be given two and a half hours a day for five days in the week for a period of fifteen weeks, in physiological and clinical chemistry.

Every student assigned to the chemical laboratories is fully supplied with all apparatus and chemicals, but there will be a charge for breakage and for unnecessary waste of material.

Medical In this course the general relations of medicine to
Jurisprudence law are discussed, and the duties and rights of the
 medical expert as a witness, and advice given as to
how he should conduct himself, with a study of the poisons most commonly needing attention, in their chemical and physiological aspects.

It is projected that hereafter this course shall be extended by special lectures from the teachers in the several departments as their subjects may be related to Legal Medicine.

Examinations are held at the end of the course (*Fourth Year*) and the questions are to be based on the lectures by Professor Metz and

the other members of the Faculty. These examinations are required of all students of the Senior year.

Text-books—Witthaus, *Manual of Chemistry*, 6th edition; Rockwood, *Manual of Physiological Chemistry*; Hawk, *Physiological Chemistry*.

Reference Reading—Hammersten, *Physiological Chemistry*; Simon's *Physiological Chemistry*.

Medical Jurisprudence—Reese; Herold; Draper's *Legal Medicine*.

Reference Reading—Witthaus and Becker's *Medical Jurisprudence*. Peterson and Haines' *Legal Medicine and Toxicology*.

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

PROFESSOR J. T. HALSEY, M. D., (Pharmacology, Therapeutics and Clinical Medicine).

PROFESSOR J. BIRNEY GUTHRIE. M. D. (Clinical Medicine).

DR. F. P. CHILLINGWORTH, Assistant Professor of Pharmacology.

Dr. Oscar Walter Bethea, Lecturer and Instructor in Pharmacology and Materia Medica.

Dr. Stanford Chaillé Jamison, Instructor in Pharmacology.

Dr. T. H. Patton, Assistant in Pharmacology.

PHARMACOLOGY AND THERAPEUTICS

The work in this department begins in the first term of the second year and continues until the end of the fourth year.

In the second year **Materia Medica** and **Pharmacy**, in so far as these subjects seem essential to the medical student, will be taught separately during the first term and in the second term in immediate connection with the courses on Experimental and Systematic Pharmacology.

The hours devoted to this course (50) will be equally divided between lectures and recitations and practical work in the laboratory.

Systematic Pharmacology (Professor Halsey and Dr. Bethea). This course will consist of about sixty hours of recitations, lectures, and demonstrations on the general principles of pharmacology and on the pharmacology and toxicology of the important and commonly used drugs and poisons. Here too the clinical

significance and uses of these drugs will be discussed as far as seems advisable. Coincident with and in close relation to this course, will be given the course on;

Experimental Pharmacology (Professor Halsey and Assistants).—The required work in this course will consist of laboratory exercises, in which the students will conduct for themselves a number of experiments illustrating the physiological and toxicological action of a number of the most important drugs. *Further work on experimental pharmacology may be carried on as an optional course by students or others qualified.*

Non-Pharmaceutical Therapy (Professor Guthrie).—During the third year one hour weekly will be devoted to lectures, recitations and demonstrations of these increasingly popular and important therapeutic methods. The course will be illustrated by lantern slides, plates, &c., and by demonstrations of apparatus and methods, and will include massage, exercise, hydrotherapy, the use of heat and cold, hyperemia methods, photo-electro and radiotherapy, and dietetics. In this course chief stress will be laid on the methods of using and modes of action of these important remedial measures, their special indications being discussed briefly and on broad lines.

Dietetics (Professor Guthrie).—Part of the course in the third year will be devoted to a consideration of the question of foods from the standpoint of prophylaxis and as applied to feeding the sick. In this course special stress will be laid on the feeding of patients in such diseases as are treated exclusively by special dietetic measures.

Systematic Therapeutics (Professors Halsey and Guthrie).—During the third year, one hour a week, and during the fourth year two hours a week for one-half the year, will be devoted to lectures and recitations on the general and underlying principles of the treatment of various clinical conditions and of the chief diseases. In close connection with this course will be:

Therapeutic Clinics (Professor Halsey and Professor Guthrie) for Fourth year students.

These will be held weekly in the amphitheater of the Charity Hospital, patients being selected especially for their therapeutic interest. As far as is feasible, they will be chosen for their relation to the subjects treated in the course on systematic therapeutics and will

be demonstrated and discussed by teachers and students with especial reference to the care and management of these and similar cases. Whenever the opportunity presents itself cases will be used which permit of demonstration in the amphitheater of special methods of treatment such as stomach or colonic lavage, giving of enemata, inunctions, hypodermic medication, massage, passive or resistance exercises, baths, packs, &c.

Bedside Therapeutics In the ward and out-patient work for fourth year students in the department of internal medicine, especial attention will be given by the various teachers to the too often neglected matter of treatment.

Prescription Writing Besides the usual instruction in this, which is interjected in all the above mentioned courses, a special course of 30 hours on prescription writing will be given by Dr. Bethea during the fourth year.

Text-books—*Pharmacology*—Gottlieb and Meyer; Cushny.

Materia Medica and Prescription Writing—Bethea.

Therapeutics—Forcheimer; Ortner; Reference: Forcheimer's System.

Dietetics—Kelly and Musser; *Friedenwald and Rührhah*; Berseliet. Carter's Diet Lists.

Non-Pharmaceutical Therapy—Reference: Solis Cohen, *System of Physiological Therapeutics*.

Special—Van Noorden's Nephritis; Van Noorden's Diabetes.

Psychotherapy—Dubois, *Psychic Treatment of Nervous Disorders*.

DEPARTMENT OF MEDICINE

PROFESSOR JOHN B. ELLIOTT, JR., M. D. (Theory and Practice of Medicine and Clinical Medicine).

PROFESSOR J. T. HALSEY, M. D. (Therapeutics and Clinical Medicine).

PROFESSOR GEORGE S. BEL, M. D. (Clinical Medicine).

PROFESSOR J. BIRNEY GUTHRIE, M. D. (Clinical Medicine).

PROFESSOR CHARLES CASSEIDY BASS, M. D. (Experimental Medicine).

ASSISTANT PROFESSOR ISAAC I. LEMANN, M. D. (Clinical Medicine).

ASSISTANT PROFESSOR JOSEPH DEUTSCH WEIS, M. D. (Clinical Medicine).

ASSISTANT PROFESSOR CHARLES L. ESHLEMAN, M. D. (Clinical Medicine).

LECTURERS AND INSTRUCTORS IN MEDICINE, CLINICAL MEDICINE.

	Dr. A. C. Eustis	
Dr. E. W. Mahler	Dr. S. K. Simon	Dr. H. P. Jones
Dr. J. E. Landry	Dr. R. Lyons	Dr. J. C. Cole
Dr. S. C. Jamison	Dr. W. A. Love	Dr. Elizabeth Bass
Dr. M. E. Brown	Dr. A. L. Levin	Dr. G. K. Pratt, Jr.
Dr. E. Moss	Dr. W. R. Metz	Dr. R. A. Blakely

NERVOUS DISEASES

Dr. E. M. Hummel	Dr. R. M. Van Wart
Dr. H. Daspit, Assistant	

CLINICAL MEDICINE AND RADIOLOGY

Dr. E. C. Samuel	Dr. A. DeC. Henriques
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THEORY AND PRACTICE OF MEDICINE

The course of study in internal medicine begins in the first half of the second year.

Second Year. (Prof. Bel, Drs. Mahler, Brown, Metz and Physical Diagnosis Blakely).—Professor Bel gives a systematic lecture course on the elements of physical diagnosis once a week, illustrated by dissections, charts, diagrams, and demonstrations on the normal body. The relations of regional anatomy, physiology, and physics to diagnosis are impressed upon the student, and his knowledge is tested by quizzes at the end of each hour, as well as by his practical work.

The practical course is given in the last fifteen weeks of the second year, three times a week. The class is divided into sections and the members, under the guidance of Professor Bel and his assistants practice all the methods of physical diagnosis of the normal subject. Accurate technic and familiarity with the normal signs are the aims.

Third Year.

Theory and Practice of Medicine

Recitation Course.—(Doctors Simon, Lyons, Landry and Cole).

The class is divided into three sections. Lessons are assigned in a standard text-book and the efficiency of study ascertained by a quiz, covering in the course of the year the most important internal diseases. Understanding of the subject is sought, not a mechanical ability to repeat it. A record of work and attendance is kept and used in determining the student's standing.

Diagnostic Clinic (Professors Guthrie and Lemann). Once a week. In this the clinical phenomena that can be seen will be studied and their value in diagnosis considered. Alterations of size, form and color, position, station, gait, expression, etc., and their causes, will be examined and discussed by members of the class. The clinical manifestations of pathological physiology will be studied, as far as possible. Instructive examples that are adapted to demonstration before a large class will be presented as often as possible.

Ward Classes in Clinical Diagnosis (Professors Guthrie and Lemann and Drs. Landry, Lyons, Jamison and Pratt). Three times a week; seven weeks. Small sections, subdivided into smaller groups under the charge of the several teachers, practice on patients in the wards all the methods of physical diagnosis and other manipulations necessary in the practical investigation of cases. The students write, draw or plot their findings, as part of the records of their work. They will also demonstrate and explain cases before the class. The main objects are accurate technic and familiarity with the common physical signs. The elements of case-taking will be considered towards the end of the course. The work in the class is wholly practical, collateral reading outside the class hours being required.

Laboratory of Clinical Medicine (Dr. Johns and Assistants). In this laboratory the student is taught all the ordinary clinical laboratory work of use in the practice of Medicine and its various branches. The work is chiefly microscopical. The laboratory is under the direction of the Department of Medicine, but the clinical laboratory methods of all branches are taught. Laboratory diagnosis of Tropical Diseases is also taught here as a part of the course in Tropical Medicine.

Each student must furnish his own microscope with mechanical stage, blood counter and pipette, platinum loop, slides, cover-glasses, hemoglobin scale, centrifuge tubes and a few other items of small cost. Microscopes and mechanical stages and blood counters may be rented from the college as long as the supply in hand lasts.

The course consists of five times a week, two hours each throughout one-half the session, for the period of assignment.

Students are thoroughly taught the best methods of examination of blood, urine, stools, sputum pus, exudates and other material in order to prepare them to make practical application of laboratory diagnosis

in their senior year and in connection with their clinical work. Special attention will be given to malaria parasites, hookworm and other ova in stools, etc.

Fourth Year.

Didactic Lectures Special subjects in internal medicine will be considered in didactic lectures as follows: Professor Elliott, the Arthritides; Professor Lemann, Diabetes, Gout and Obesity; Professor Eustis, Chemistry of Pathological Conditions; Dr. Simon, Gastro-Intestinal Diseases.

Clinical Lectures (Professors Elliott and Bel). Forty-five lectures. Patients illustrating the most important diseases will be demonstrated in the amphitheater, the histories taken by members of the class read, the necessary examinations made, and the diagnosis, pathology and treatment discussed. The various diseases will be presented systematically, as far as possible.

Ward Work and Ward Classes (Professors Elliott, Bel, Halsey, Weis, and Drs. Mahler, Jones and Moss). In sections of about ten the students will work in the medical wards daily for ten weeks. In the beginning of the daily period students will take histories, examine patients and their secretions and excretions. In the last hour they will make rounds, demonstrate and discuss cases, carry out details of treatment, and familiarize themselves with the daily life of patients sick in bed.

Out-Patient Courses (Professor Eshleman and Drs. Eustis and Love). Students work in the medical dispensary three hours a week for five weeks, in small sections, assisting in all details of examination and treatment, thus seeing many examples of chronic and minor ailments.

In both wards and dispensary instrumental methods of examination are cultivated thoroughly.

Cases having relation to other clinics, or to the Department of Pathology, will be shown from the standpoints of the other departments, as far as possible. Many borderline cases of diseases of the stomach, liver and other abdominal organs, of the pleura, etc., are utilized in this way.

Laboratory of Clinical Medicine, Senior (Professor Bass and Assistants). Each student is assigned to this laboratory eight hours during five days of each week for one-half of the session, and during the same time that he is assigned to the medical divisions of the course.

Students are required in this laboratory to make examinations of the blood, feces, urine, sputum, exudates, etc., of the patients assigned to them in their clinical work at the hospital and also of other instructive material brought to the laboratory. Written reports of these examinations are required. It is intended that this practical laboratory work on the patients, in whom they also have clinical interest, will fully prepare the graduates to continue to make their laboratory diagnosis in actual practice.

Each student must furnish his own microscope with mechanical stage, blood counter and pipette, platinum loop, hemoglobin scale, test tubes, pipette, slides, cover-glasses and a few other items of small cost. Microscopes, mechanical stages and blood counters may be rented from the college as long as the supply may suffice.

This laboratory course is an integral part of the course in medicine (and also tropical medicine), and proof of proficiency in the work will be required for graduation.

Life Insurance Examination Methods Professor Eshleman will give systematic instruction in the technic of Life Insurance examinations, meeting the class for eight periods.

Therapeutic Clinic (Professor Halsey). (See under *Therapeutics*).

DISEASES OF THE NERVOUS SYSTEM (Dr. Van Wart, Drs. Hummel and Daspit.) This course consists of clinical lectures and demonstrations in the nervous disease wards of the Charity Hospital and the outdoor clinic buildings, and of didactic lectures on the anatomy, etiology and pathology of the subject. The students in the Hospital are brought in close contact with the patients, are required to make examinations themselves, and to take notes and write histories. Periodic examinations and quizzes are held. On special days some one of the several teachers will lecture on topics related to the subject.

In the third year one didactic lecture a week will be given by Dr. Van Wart.

Text-books—*Internal Medicine*, Osler; Anders. For Reference: Osler's *Modern Medicine*; Allbutt's *System*; Von Leube, *Special Medical Diagnosis*.

Diagnosis—Cabot; Sahli; Hutchinson and Rainey. For laboratory work: Emerson; Simon; Wood; Todd; Sahli; Wilson; Slade.

Blood—Cabot; Da Costa.

Tropical Diseases—Manson; Scheube; Mense; Rogers; Deaderick.

Parasitology—Braun.

Lungs—Fowler and Godlee. *Heart*—Colbeck; McKenzie. *Intestines*—Schmidt and Strasburger.

Metabolism—Van Noorden on Diabetes.

Nervous Diseases—Starr; Church and Petersen; Dana.

DISEASES OF THE SKIN

PROFESSOR ISADORE DYER, Ph. B., M. D. (Diseases of the Skin).

PROFESSOR HENRY E. MENAGE, M. D.

Dr. L. L. Cazenavette, Clinical Assistant.

DISEASES OF THE SKIN

Instruction in skin diseases extends through the third and fourth years. In the third year systematic weekly lectures, text-book readings and quizzes are given. To fourth-year classes diseases of the skin are taught practically in the out-door clinics and wards of the Charity Hospital by the presentation and discussion of the patients exhibited. The class is divided into sections for this work and assigned for five weeks with $5\frac{3}{4}$ hours of clinics per week during which groups of students are made to analyze cases and undergo quizzing by Professors Dyer and Menage. Instruction is also given in the practical therapeutics of skin diseases, including full exposition of radiotherapy in dermatology (Dr. Cazenavette).

General class lectures are given weekly, supplemented by lantern slide teaching and other demonstrations.

Text-books—Stelwagon; Jackson.

DISEASES OF CHILDREN

PROFESSOR W. W. BUTTERWORTH, M. D. (Diseases of Children).

ASSISTANT PROFESSOR L. R. DE BUYS (Diseases of Children).

Dr. J. Townsend Wolfe, Instructor.

Dr. Robert Alexander Strong, Instructor.

Dr. Frank James Kinberger, Lecturer and Instructor.

Dr. Dandridge P. West, Instructor.

Dr. Ruffin Trousdale Perkins, Clinical Assistant.

Dr. John Signorelli, Clinical Assistant.

Dr. George K. Pratt, Jr., Clinical Assistant.

Dr. Chas. J. Bloom, Clinical Assistant.

Dr. Sidney F. Braud, Clinical Assistant.

Diseases of Children.

The course commences with the third year, is a graded one, and consists of Amphitheater clinics, didactic lectures, class recitations and conferences on case histories, with ward and out-patient clinics.

Third Year. The work of the Junior year will consist in part of two case history studies or quiz periods weekly.

The class will be divided into four sub-groups. Case histories are assigned which will require the study of standard text books; the student's grasp of his reading is ascertained by "quizzing", and the instructor elucidates and emphasizes the necessary and important parts of the subjects under discussion. For the purpose of applying the knowledge thus gained, students will be assigned to service in the out-door and ward clinics. A sub-group will attend the out-patient service at the Touro Infirmary, and will rotate with another sub-group on service in the wards and out-patient clinics at the Charity Hospital. Students will be graded in their proficiency at each recitation and clinical meeting, and the markings thus established, with first and second term examinations, will be considered in arriving at the students' final grades. This is a preparatory course intended for the fuller development of the clinical and more practical work of the senior year.

Fourth year. Small groups of students are detailed in rotation to the milk laboratory, and for ward and out-patient service at the Charity Hospital and Touro Infirmary.

Patients are assigned to students who take histories, examine, diagnose and prescribe under the supervision of the instructor in charge. Cases are discussed and students are expected to follow and study their patients and report their observations in class conference.

Clinical lectures given in the Charity Hospital Amphitheater will still further serve to bring to the attention of the entire class the many varied and important ailments common to children; these will be illustrated by selected cases taken from the Hospital wards for this purpose.

In the didactic lectures particular attention will be paid to maternal and artificial feeding of infants in health and in diseases and to the various methods of modifying milk, practical demonstrations of which will be given in the laboratory.

The several disturbances of nutrition will be considered and this experience in the wards and clinics will give additional notice to the important subject of nutrition in the infant and young child.

The infectious and contagious diseases common to childhood will be considered in detail.

Conferences on case histories will occupy an important position in the didactic course, and will be so arranged as to cover much of the subject of Pediatrics; these histories necessitate reading, study and the presentation of written discussions of the cases.

The system of grading students mentioned in connection with the third year work will be followed in the senior year.

Text Books—Holt; Kerley; Koplik; Carr; Rotch; Cautley; Cotton; Fisher; Pfaundler; Schlossmann; Still; Batten, Garrod and Thursfield.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY

PROFESSOR CHARLES W. DUVAL, M. A., M. D. (Pathology and Bacteriology).

ASSISTANT PROFESSOR M. J. COURET, A. M., M. D. (Pathology and Bacteriology).

Dr. Wm. H. Harris, Instructor of Pathology and Bacteriology.

Dr. John A. Lanford, Instructor in Surgical Pathology.

Dr. H. W. Wade, Instructor in Pathology and Bacteriology.

Dr. Elizabeth Bass, Demonstrator in Pathology and Bacteriology.

Dr. E. L. King, Demonstrator in Pathology.

Dr. P. K. Rand, Assistant Demonstrator in Bacteriology.

Dr. W. R. Metz, Assistant Demonstrator in Pathology.

Second Year The lectures and the laboratory courses in bacteriology and microscopic pathology are conducted in the Richardson Memorial (Tulane Campus), where ample facilities are provided for teaching and research in the laboratory of pathology and bacteriology. The classes receive practical instruction three times a week for three hour periods.

BACTERIOLOGY This course is held in the first term of the second year and precedes the work in microscopic pathology. The first few weeks of instruction comprise bacteriological methods. The student is instructed in the preparation of culture media, the separation of bacteria, handling and transplanting cultures, technic of staining and other methods of observing the bio-chemical features of micro-organisms. Subsequently the work with the more common pathogenic bacteria follows. These are studied in relation to a given organ or tract; for example, the etiological factors in diseases of the respiratory system are considered before passing on to the causal agents in the diseases of another system. A practical, written and oral examination is held at the end of the session.

MICROSCOPIC PATHOLOGY

The regular course for laboratory instruction in microscopic pathology is given throughout the second term.

The first weeks of the course are devoted to the study of pathological technic in order that the student may familiarize himself with the various methods of preserving, imbedding, cutting and staining of tissues. Sufficient time is given to the study of methods to insure an intelligent understanding of them. The rest of the session is devoted entirely to instruction in microscopic histo-pathology. During this period microscopic sections already stained and mounted are given out to the students for each day's work.

An essential feature of the course in microscopic pathology is the lantern demonstration of stained and mounted sections. This preliminary illustration before each laboratory period serves to instruct the class as a whole on the important things in each tissue section and how to proceed with their study. Students are required to make drawings of the microscopical specimens given out during the course.

The course of instruction considers first the general subject of inflammation and retrogressive tissue changes, after which the special lesions are taken up systematically and under separate organs or tracts. At the end of the session there is held a written and practical examination in general and special pathology.

Lectures in Pathology and Bacteriology extend over the entire second year.

Third Year Gross Pathology.

The instruction of gross Pathology extends over the entire third year of the medical course. The class is divided into small groups of not more than twelve men each for autopsy work three times a week at the Charity Hospital. This instruction is carried on in connection with clinical teaching. Whenever practical, autopsies will be held at the Hutchinson Memorial, instead of the Hospital, where every facility for holding post-mortems has been provided. Each section of the class is notified when an autopsy is pending and is excused from other work to attend the post-mortem. The division of the class into small sections makes it possible for each student to take part in the autopsy. The men of a given section are assigned different parts; for example, the head to one, the thorax to another, the abdomen to still another, etc., and under the supervision of the Professor of Pathology and his assistants the post-mortem is actually performed by the students. Supplemental to the study of the gross tissue changes, microscopic sections of the fresh tissues are examined together with already stained sections of the

particular lesion or lesions found at that autopsy. It is required of every third year student that he perform at least three complete autopsies, turning in his report, both gross and microscopic, before the session is over.

In addition to the autopsy work the class is divided into two sections, each receiving practical instruction in gross pathology twice a week for two hour periods. This course is given in the Laboratory of Pathology at the Hutchinson Memorial, where the third year student is taught gross pathological lesions from fresh post-mortem specimens and carefully preserved Kaiserling preparations, etc.

A written and practical examination on general and special Pathology including autopsy technic will be held at the completion of the course.

Fourth year

Special Pathology.

The course will consist chiefly in the use of gross and microscopic preparations of the more important tumors together with the technique of preserving, cutting and staining tissues for diagnostic purposes. In so far as possible tumors and other lesions in which precise diagnosis is necessary will be studied clinically, and the treatment as suggested by histological features discussed. The class will be divided in two sections and the work will extend over the entire fourth year.

Applied and Experimental Pathology (Surgical Pathology) will form the basis of the course which will be taught both in the wards of the hospitals and in the laboratory at the Hutchinson Memorial. Bacteriological technique, especially the methods of value to the practising physician and surgeon will be considered, such as the preparation of vaccines and their use. Attention will also be paid to the various factors influencing immunity, and the technique and value of serum diagnosis. Special emphasis will be laid upon the methods of procuring bacteriological and pathological material for diagnosis.

A written and practical examination will be held at the end of the fourth year terms.

Text-Books: *Bacteriology*:—Jordan; Hiss and Zuisser; Muir and Richie; Park.

Pathology:—Mallory; Adami; Delafield and Prudden; Ribbert; Wells.

DEPARTMENT OF SURGERY

PROFESSOR RUDOLPH MATAS, M. D. (General, Regional and Clinical Surgery).

PROFESSOR ERASMUS D. FENNER, M. D. (Orthopedic Surgery).

PROFESSOR HERMANN B. GESSNER, M. D. (Operative Surgery in the Miles Laboratory, and Clinical Surgery).

PROFESSOR WILLIAM M. PERKINS (Clinical Surgery).

ASSOCIATE PROFESSOR JOHN SMYTH, M. D. (Laboratory of Minor Surgery, and Instructor in Clinical Surgery.)

ASSISTANT PROFESSOR JOSEPH HUME, M. D. (Venereal and Genito-Urinary Diseases).

Dr. Luther Sexton, Lecturer and Clinical Instructor in Minor Surgery.

Dr. Marion S. Souchon, Instructor in Clinical Surgery.

Dr. Urban Maes, Demonstrator in Operative Surgery and Instructor in Clinical Surgery.

Dr. Carroll W. Allen, Instructor in Clinical Surgery.

Dr. Lewis B. Crawford, First Assistant Demonstrator in Operative Surgery and Instructor in Clinical Surgery.

Dr. Lucian H. Landry, Second Assistant Demonstrator in Operative Surgery and Instructor in Clinical Surgery.

Dr. Samuel Logan, Lecturer and Clinical Instructor in Venereal and Genito-Urinary Diseases.

Dr. A. M. Caine, Clinical Instructor in Anesthetics.

Dr. Isidore Cohn, Lecturer and Instructor in the Laboratory of Minor Surgery.

Dr. Henry Leidenheimer, Clinical Assistant in Surgery.

Dr. James T. Nix, Jr., Clinical Assistant in Surgery.

Dr. H. W. E. Walther, Clinical Assistant in Venereal and Genito-Urinary Diseases.

In the Hutchinson Laboratory of Surgical Pathology.

Collaborating with the Department of Surgery.

PROFESSOR CHAS. W. DUVAL, M. D. (Surgical Pathology.)

ASSISTANT PROFESSOR M. J. COURET (Pathology and Bacteriology.)

Dr. J. A. Lanford, Instructor.

Dr. Maurice J. Gelpi, Assistant Demonstrator.
and Assistants.

The division of Surgery is composed of the Departments of Surgery, Clinical Surgery, Orthopedic Surgery, Surgical Pathology, Operative Surgery, Minor Surgery, Genito-Urinary Surgery.

SURGERY Instruction is given by systematic lectures, recitations, lantern demonstrations, clinical demonstrations; by teaching at the bedside, in the wards; in the out-patient departments; in the laboratory; and by written reviews.

In the first two years, a course is given by Professor Smyth assisted by Dr. Cohn, in the laboratory of Minor Surgery at the Richardson Memorial Building, Tulane Campus.

Laboratory of Minor Surgery. This laboratory was first organized and equipped by Professor Matas in 1901 and was designed to give a course of systematic demonstrations and individual exercises in Minor Surgical procedures. The aim of the course will be to prepare the student by manual training and personal experience in the elementary mechanics and fundamental procedures of minor surgery (bandaging; plaster of Paris; liquid glass; proper use of tools in making splints and improvising apparatus, etc).

The student will also be given an insight into the practical side of his professional work, (in keeping with his elementary knowledge of Anatomy and Physiology) by a series of demonstrations on *First Aid* in injuries and accidents, including the methods of transportation and care of the wounded and disabled; the mode of improvising splints, litters, bandages and, in fact, all the elementary instruction that is given to the lay members of the Red Cross Societies throughout the world.

Through the courtesy of the Surgeon General and of the Medical Officers of the U. S. Army stationed at Jackson Barracks, the class is given opportunities each session for the observation of and participation in the litter and ambulance drill of the Hospital Corps of the U. S. Army.

The application of Anatomy to Surgery will be especially considered in an experimental course of fractures and dislocations on the cadaver and by radiographic studies (Fluoroscopic) of the fractures thus obtained. A series of demonstrations on Surgical Applied Physiology will also be given, illustrating the subjects of Shock, Hemorrhage, Anesthetics, Cerebral Compression, Pneumothorax and Artificial Respiration, etc.

Third Year **Clinical Minor Surgery** (Outdoor clinics; ward work; amphitheater).

General Surgery or Principles of Surgery. (Hospital and Hutchinson Memorial).

The first contact of the student with the sick and injured occurs in this year. All the previous work in this department is intended to prepare the student to appreciate the great opportunities for clinical observation which are now offered him at the Charity Hospital.

The course of Clinical Minor Surgery is conducted by Dr. Luther Sexton in the out-clinics and in the amphitheater of the Charity Hospital, and by Drs. Cohn and Stone, in the Touro Infirmary clinics, where anesthetics, local and general, bandaging, asepsis and anti-sepsis, fractures, dressings, etc., are especially taught. This course is supplemented by lectures, quizzes and demonstrations given at the Hutchinson Memorial.

Another division of the class is subdivided into clinical groups guided by Prof. Smyth and Drs. Maes and Allen, who utilize the time allotted to the class by giving instruction at the bedside in diagnosis, prognosis, post-operative treatment and in the proper observations for recording surgical cases. These instructors operate before the class in the Miles Amphitheater or in the Delgado Memorial according to their assignments. Quizzes are a particular feature of this course.

Class Lectures A systematic course of lectures and demonstrations on General Surgery and the Principles of Surgery is given at the Hutchinson Building by Professor Matas on Tuesdays and Wednesdays. Frequent quizzes are held throughout the session, in addition to two volunteer written examinations (Mid-winter and Spring), to review the progress accomplished during the course.

Clinical lectures are given at the Charity Hospital by Professor Matas on Mondays, Thursdays and Saturdays. Mondays and Saturdays are the chief operating days and operative clinics will be held in the Miles Amphitheater or in the "Matas Operating Room" of the Delgado Memorial. The Thursday clinics will be held in the Miles Amphitheater as hitherto and will be devoted to the exhibition of post-operative results and the diagnosis and prognosis of new cases. The third year class is especially expected to attend this clinic.

Fourth Year **Clinical Surgery** (in the amphitheater and in the wards); **Operative Surgery.**

Regional Surgery. Clinical instruction is given to sections of the class in the wards at the bedside and in the amphitheater by Profess-

ors Matas and Gessner and Drs. Perkins and Souchon who will devote special attention to diagnosis, prognosis, the principles of surgical technic, post-operative treatment, etc., as applied to the various regions. The opportunity is given to students to assist in the administration of anesthetics and in the post-operative dressings. A systematic course in regional surgery is given by Professor Matas which is illustrated by lantern slides and the Thompson opaque projector. The clinical demonstrations and lectures given in the amphitheater of the hospital on Mondays, Thursdays and Saturdays are especially intended for the benefit of the senior class, with the exception of the Thursday lecture at which both the Junior and Senior classes are expected to be present.

Anesthesia Special instruction and demonstrations in methods of general Anesthesia will be given every week by Dr. Ansel M. Caine, at the Surgical Clinics and before class sections assigned to this division.

Surgical and Experimental Pathology Four hours a week in the Laboratory of Surgical and Experimental Pathology in the Hutchinson Memorial will be given for the demonstration of fresh surgical specimens, gross and microscopic; the repair of various tissues, wounds, bones, vessels, nerves, tendons, etc.; the specific infections and surgical lesions of the various tissue systems, lymphatics, joints, bones, etc., surgical lesions of the thyroid, mammary and salivary glands; of the digestive tract; of the urinary and genital tract.

Conjointly with this course, demonstrations will be made by experimentation, lectures and lantern slides, of the different steps in the process of inflammation and repair in the various tissues and organs; the actions of venoms, toxins and chemical poisons upon tissues and their relation to blood destruction, degeneration and necrosis; the removal of the pancreas and the ligation of bile duct, etc., for the production of diabetes, jaundice, etc.; the experimental production of neoplasms in fowls, pigeons and mice, and a comparative study of these with tumors of the same type from the human subject. Special attention will be paid to the discussion of the principles of immunity and their application in the tests for precipitins, agglutinins, hemolysins, opsonins, etc., and the study of complement and its behavior in the Wasserman reaction. The preparation and standardization of vaccins and their application in surgical infections is also considered.

The class will be divided into small groups, each under the direc.

tion of a demonstrator, and the students will be required to perform the various experiments. These courses will be conducted conjointly with the course of surgery by Professor Duval and assistants.

TOURO INFIRMARY

During the fourth year, sections of the class are regularly assigned to the Surgical Clinics, held at the Touro Infirmary on Fridays, from 8:30 A. M. to 10:45 A. M. The large number, variety and importance of the cases operated upon at the Clinic by Professor Matas, assisted by Professor Gessner and Drs. U. Maes, L. H. Landry and R. E. Stone, and the members of the resident staff, should make these Friday clinics especially attractive to advanced students and to graduates.

The out-door Surgical Clinic of the free department of this Institution cared for over 8,300 patients during the last year. The admirable opportunities offered for practical observation of the more frequent surgical accidents and diseases make this clinic especially valuable and instructive to the student. Drs. R. E. Stone and Isidore Cohn, who are in charge, will always provide ample opportunities for individual work to all advanced students who may apply for regular attendance, during the Winter and Summer terms.

OPERATIVE SURGERY

The Miles Laboratory of Operative Surgery is in charge of Professor Gessner, assisted by Drs. Maes, Crawford and Landry. In this course the laboratory work proper is preceded by a recitation on subjects previously assigned, with elaboration by the instructor and lantern slide illustrations. The operative work is done by the students exclusively, under supervision of the demonstrators. The entire field of general operative surgery is covered, the aim being to fit students for the operative work in general practice. Ample opportunity for experimental work is provided. Students are assigned in limited sections so as to emphasize the subjects taught through individual attention. The class of the fourth year is divided in two sections each covering laboratory periods of fifteen weeks.

GENITO-URINARY and VENEREAL DISEASES

The course in Genito-Urinary and Venereal Diseases is in charge of Prof. Joseph Hume, who arranges the practical teaching of the branch. Students of the third year are assigned to numerous cases, for personal practice in the examination of patients, passage of sounds, in irrigation methods, etc. The class is divided into sections of limited numbers, to facilitate the teaching, conducted three days of each week in the out-door male clinic.

In weekly general class lectures, Prof. Hume takes up in sequence the anatomy and physiology of the male genito-urinary tract, the diseases of the urethra, prostate, seminal vesicles, bladder, and kidneys, with special lectures on stricture, urinary fever and prostatic hypertrophy. Chancroid and its complications, sexual neuroses and syphilis are also discussed.

Text-books—Second Year: Laboratory Notes. Doty, Pilcher, Lynch. Scudder and Cotton on Fractures.

Third Year: *General Surgery and Minor Surgery*—Prof. Matas' Syllabus for Junior Class (7th Edition, 1914); DaCosta; Ashurst (1914); Fowler; Lexer; Rose & Carless; McGuire; Park. *Surgical Pathology*; Mallory; Senn; Warren; Laboratory Notes. *Venereal and Genito-Urinary Diseases*—Taylor; Hyde and Montgomery; Keyes; Morton; Watson and Cunningham; White and Martin.

Fourth Year: *Regional Surgery*—Prof. Matas' Syllabus for Senior Class; Mumford and texts referred to under general surgery. For general reference, Keen's System of Surgery. *Operative Surgery*—Prof. Gessner's notes; Bickham; Binnie (Fifth edition); for general reference, Burghard.

ORTHOPEDICS AND SURGICAL DISEASES OF CHILDREN

PROFESSOR E. D. FENNER, M. D. (Orthopedics and Surgical Diseases of Children).

Dr. P. A. McIlhenny, Instructor.

Dr. G. K. Logan, Clinical Assistant

Dr. J. H. Page, Clinical Assistant.

ORTHOPEDICS AND SURGICAL DISEASES OF CHILDREN

It will be the aim of this department to teach as fully as the material to be obtained from the clinics and wards will permit by bringing the student in close contact with the actual cases. Every effort will be made to emphasize practical diagnosis and treatment of the affections included under orthopedic surgery, and to point out the special features of the surgery of childhood, and in particular those affections which are peculiar to early life. The demonstration of cases in the wards, clinics, and operating room will be supplemented by

didactic lectures, fully illustrated by lantern slides, and by quizzes during the progress of the course.

Text-books—Bradford & Lovett or Thorndyke. For reference: Tubby; Whitman.

OPHTHALMOLOGY

PROFESSOR M. FEINGOLD, M. D. (Ophthalmology).

Dr. Victor C. Smith, Demonstrator and Lecturer.

Dr. C. A. Bahn, Clinical Assistant.

DISEASES OF THE EYE

Clinical instruction is given during the fourth year, but in order to facilitate instruction in diseases of the eye, several exercises are held at the end of the third year, in which the anatomy and physiology of the eye are reviewed. At the close of these lectures a written examination will be held.

For clinical instruction, patients from the out-clinics and wards of the Charity Hospital are brought before sections of the class. The material is used to present practically the diseases of the eye of prime importance to the future practitioner. Differential diagnosis, prophylaxis and treatment are emphasized. The important symptom complex of eye-strain is demonstrated through the minute examination of patients and their histories and by following up cases treated.

External affections of the eye are demonstrated and students are trained in the examination of patients, by allotting cases to students for personal examination. The anatomical and pathological features are especially discussed and illustrative plates, etc., are used in elucidation.

Chance is given to acquire familiarity with the use of the ophthalmoscope and its application.

The weekly lectures in the amphitheater are made use of in order to demonstrate the clinical symptoms in groups of cases, to show the progress of the disease in cases already demonstrated, and to give small groups of students a chance to see eye operations at close range.

In weekly lectures before the class at the Hutchinson Memorial Building, a didactic review of the anatomy, and physiology of the eye and its appendages, at the end of the third year, is followed, during the fourth year, by a systematic presentation of the diseases of the eye, especially as they are related to diseases of the other organs.

Here also, plates, books, pictures, schematic drawings, by the aid of the epidiascope and the projection lantern, are demonstrated and explained, and groups of patients are brought to demonstrate subjects already discussed.

Text-books—Fuchs; Haab; DeSchweinitz; Nettleship; Roosa and Davis; Gould and Pyle; Henderson; Hansell and Sweet; Fox; May.

OTOLOGY, RHINOLOGY, AND LARYNGOLOGY

PROFESSOR CHARLES J. LANDFRIED, M. D. (Otology, Rhinology, and Laryngology).

Dr. J. P. Leake, Instructor.

Dr. S. Mertle Blackshear, Instructor.

Dr. A. McShane, Instructor.

Dr. Philip Berge, Clinical Assistant.

Dr. Isaac Erwin, Clinical Assistant.

Dr. Allan A. Kennedy, Clinical Assistant.

DISEASES OF THE EAR, NOSE and THROAT

The student will be familiarized with the various instruments necessary for the early recognition of the diseases of the ear, nose, and throat, and this will be done in a practical way.

The students will be given every opportunity for practical education in this department by assisting the professor in the various and frequent operative procedures. They will come in personal contact with infants and children presenting the diseases which, of late years, have been engaging the attention of the thinkers in medicine and surgery, and in which the early diagnosis and proper treatment have become a matter of paramount importance to the general practitioner.

Every effort will be made to so equip the class that when they leave the school they will be able to recognize the diseases of this department in a manner that will give them conviction; and that can only be done by specially training the eye and the touch.

The teacher of this branch will conduct clinical quizzes with the examination and treatment of the patient as a part of the routine.

Text-books—*Diseases of the Ear*—Politzer; Blake-Reik; Dench; Gleason. *Diseases of the Nose and Throat*—Ballenger; Kyle; Bosworth; Ball; Ingalls.

DEPARTMENT OF GYNECOLOGY

PROFESSOR S. M. D. CLARK, M. D. (Gynecology.)

PROFESSOR C. JEFF. MILLER, M. D. (Clinical Gynecology.)

Dr. H. W. Kostmayer, Instructor.

Dr. Maurice J. Gelpi, Instructor.

Dr. John F. Dicks, Assistant Instructor.

GYNECOLOGY The work in this department begins with the third year. The course is essentially practical. Instruction is given primarily, by clinical conferences; secondarily, through didactic work.

Third Year One hour a week, gynecological pathology is taught by an instructor from the Department of Pathology. This preliminary course in pathology gives the student a better insight and understanding of the teaching in the out-door clinic.

Clinical conferences are conducted three times a week in the out-door clinics. The section assigned is divided into three sub-groups, each group being under an instructor, thereby assuring a small number of students to each teacher and, secondly, enabling the student to make the necessary gynecological examinations. In the Gynecological Department of the Charity Hospital the student enjoys unique clinical opportunities. The clinic is richly endowed with material, and further, it is possible to bring the student in direct contact with the cases.

A quiz is conducted once a week. The class is grouped into three divisions, each division being assigned an instructor. A standard text-book is employed, and in this quiz the ground work of gynecology thoroughly discussed.

Fourth Year Three operative clinics are held weekly at the Charity Hospital. Most of the cases operated upon are previously examined and worked out by members of the assigned section. Associated with this operative clinic is a demonstration of the pathological specimens, the macroscopical pathology being discussed; subjective symptoms and pathological findings correlated, and sections of specimens assigned to members of the class for microscopical examination. At selected times the class is taken through the gynecological wards, where clinical conferences are held and the post-operative treatment of cases discussed.

A course in operative gynecology on the cadaver will be given so as

to equip the student to properly follow and comprehend the work in the regular operative clinics.

Once a week Professor Lewis (*Emeritus*), conducts an exhibit diagnostic clinic; assigned students examine patients, and special stress is laid on the points of differential diagnosis.

One hour a week a graded course is given. Lantern slides are freely employed, graphically illustrating the lecture subject.

Text-books—Dudley; Baudler; Kelly.

DEPARTMENT OF OBSTETRICS

PROFESSOR C. JEFF. MILLER, M. D. (Obstetrics).

PROFESSOR S. M. D. CLARK, M. D. (Clinical Obstetrics).

Dr. C. N. Chavigny, Assistant in Obstetrics.

Dr. P. B. Salatchi, Assistant in Obstetrics.

Dr. W. D. Phillips, Instructor.

Dr. E. D. Friedrichs, Instructor.

Dr. M. T. Lanaux, Instructor.

Dr. J. W. Newman, Assistant.

Dr. Edith Loeber-Ballard, Assistant.

Dr. E. L. King, Assistant.

Instruction in this branch will consist of didactic lectures, clinical demonstration, lantern slide exhibitions, bed side instruction, and the attendance upon patients in their homes during confinement.

Third Year The course begins with the third year. One hour a week is devoted to lectures upon the elements of obstetrics, the physiology of pregnancy, pelvimetry and the conduct of normal labor. Three hours a week are devoted to the clinical study of cases in the obstetrical wards of the Charity Hospital.

The class is divided into small sections, in order that each student can be given individual instruction in diagnosis, a thorough drilling in abdominal palpation, the mechanism of labor, and the care of women during pregnancy. They are summoned to witness the deliveries in the obstetrical wards, and as several hundred cases are confined annually in the Charity Hospital, students have exceptional opportunities in this branch.

Frequent quizzes are held and two written examinations are given during the session.

Fourth Year One hour a week is devoted to didactic lectures, lantern slide demonstrations and manikin exercises upon the various phases of pathologic pregnancy, labor and the puerperium.

Three hours a week are devoted to bedside observations in the obstetrical ward, during which all of the pathological features of obstetrics are presented. A manikin is kept in the obstetrical ward and students are drilled in the use of forceps and the indications for the various obstetric operations.

Out-Patient Department: In addition to the large amount of available material in the wards and out-door clinic of the Charity Hospital, the various members of the teaching staff hold appointments at other institutions and two private obstetrical clinics.

During the past year over 300 cases of confinement were conducted in the patients' homes.

Two students are assigned to each case, who conduct the delivery under the personal direction of an instructor, and make daily visits thereafter until the patient is discharged.

Each student is required to assist at, or witness, at least ten cases before graduation.

The amount of clinical material now available is such that advanced special students, or graduates, who desire to pursue their studies with the idea of qualifying for State Board examinations, may matriculate with the assurance of witnessing within a short period a satisfactory number of cases,

Text-books—De Lee's *Principles and Practice of Obstetrics*; Williams' *Text-book of Obstetrics*; Edgar, *The Practice of Obstetrics*; Petersen, *The Practice of Obstetrics*; Hirst, *Text-book of Obstetrics*; Kerr, *Operative Midwifery*.

SCHOOL OF HYGIENE AND TROPICAL MEDICINE, IN- CLUDING PREVENTIVE MEDICINE

FACULTY

ISADORE DYER, Ph. B., M. D., Professor of Tropical Diseases of the Skin and Acting Dean.

ABRAHAM LOUIS METZ, M. D., Professor of Sanitary Chemistry.

ANDREW GAIENNIE FRIEDRICHS, M. D., D. D. S., Professor in Oral Hygiene.

EDWARD MICHEL DUPAQUIER, M. D., Clinical Professor of Tropical Medicine, and of Acute Infectious Diseases.

MORTON ARNOLD ALDRICH, Ph. D., Professor of Industrial Hygiene.

WILLIAM HENRY SEEMAN, M. D., Professor of Tropical Medicine and Hygiene.

CLARA GREGORY BAER (Graduate Posse Normal School of Gymnastics), Professor of Physical Education and Director of Gymnastics at Newcomb College.

CHARLES CASSEDY BASS, M. D., Professor of Experimental Medicine and Director of the Laboratory of Tropical Medicine.

GEORGE E. BEYER, Professor of Biology.

DONALD DERICKSON, C. E., Associate Professor of Civil Engineering.

JOSEPH DEUTSCH WEIS, M. D., Assistant Professor of Tropical Medicine.

ALLAN C. EUSTIS, Ph. B., M. D., Assistant Professor of Dietetics and Nutrition.

Augustus McShane, M. D., Instructor in Tropical Medicine and Hygiene.

Leonard C. Scott, M. D., Instructor in Tropical Medicine and Hygiene.

Herbert M. Shilstone, B. S., Dr. P. H., Instructor in Hygiene.

Charles James Bloom, M. D., Assistant in Hygiene.

James Clifton Cole, M. D., Instructor in the Laboratory of Tropical Medicine.

Foster Matthew Johns, M. D., Instructor in the Laboratory of Tropical Medicine.

Stanford Chaillé Jamison, M. D., Instructor in the Laboratory of Tropical Medicine.

*Percy Lennard Querens, M. D., Instructor in the Laboratories of Tropical Medicine and Hygiene.

*Rossner Enders Graham, B. S., M. D., Instructor in the Laboratories of Tropical Medicine and Hygiene.

Sarah Magill, Secretary and Clerk.

*On leave (1914-1915).

N. B. A systematic Bulletin of the School of Hygiene and Tropical Medicine will be issued before October 1, in which full details of all courses offered will be presented. Sent on request.

ANNOUNCEMENT

The Laboratories of the School have been entirely developed since its inception, about three years ago, and at present consist of the following:

The Chaillé Memorial Laboratory of Public Health and Preventive Medicine in the Hutchinson Memorial Building. This laboratory will be used for instruction detailed in the medical courses in Public Health and Preventive Medicine. The manipulations incident to the laboratory study of air, water, milk, food, soil, sewage, disinfection, etc., will all be provided for, and separate lockers and space, both at the chemical and microscopical tables, provided for each student.

The Graduate and Research Laboratory of Tropical Medicine and Hygiene in the Hutchinson Memorial Building. This laboratory is fitted up for advanced work and investigation in Hygiene. Preventive Medicine and Tropical Diseases. The equipment is sufficient for research on the bacteriology, zoology, and chemistry of water, milk, and sewage, and on the immunological, chemical and biological aspects of other laboratory health and disease problems. Entomology and helminthology will be taught in the Department of Biology of the University.

The Junior Laboratory of Tropical Medicine in the Hutchinson Memorial Building. This laboratory, as well as the next mentioned, is affiliated with the laboratories of clinical medicine; as the undergraduate courses at Tulane in tropical and general medicine are conducted in close collaboration because of the fact that a large part of the practitioner's work in the southern states deals with tropical diseases. Blood, feces, urine, sputum and exudates of tropical cases are examined by the student, and in addition laboratory work with mosquitoes and other biting arthropods, intestinal and other parasitic worms, and various pathogenic protozoa is carried on.

The Senior Laboratory of Tropical Medicine in the Hutchinson Memorial Building. Like the preceding, this laboratory is affiliated with the laboratories of clinical medicine. In it the student examines the clinical and pathological material collected by him in the wards of

the hospital. Special provision is made for the laboratory diagnosis of the tropical diseases and parasites native to the southern states of America.

The Hospital facilities for the study of tropical diseases and preventive medicine are the best in the United States.

The School Library. This at present consists of about 3500 volumes and pamphlets dealing with the various subjects in Hygiene and Tropical Medicine, and is at the disposal of all students. Periodicals and new books are being constantly added.

Museum. It is planned to have a teaching Museum, and a few specimens have already been collected for the purpose. The School looks to its students and friends to help in equipping this important feature.

Scholarship in Germany. The School offers a scholarship in Tropical Medicine, including tuition, laboratory expenses and all other fees, in the Institut für Schiffs und Tropenkrankheiten in Hamburg. This scholarship will be available for one student each year. The holder will be given opportunity to do research in Hamburg under the best guidance and will be chosen principally on account of scholarship and aptitude for original investigation.

DETAIL OF COURSES

The work in the School is largely practical and is made up of the required courses in the College of Medicine, together with special, advanced and research optional courses which are offered to physicians, engineers, teachers, missionaries, of all sects, physical directors, social workers and other qualified persons.

These are the following:

COURSES FOR MEDICAL STUDENTS AND PHYSICIANS PUBLIC HEALTH AND PREVENTIVE MEDICINE.

The course of study in Public Health and Preventive Medicine given to medical students extends throughout the Junior year. It consists of lectures, demonstrations and of laboratory periods. There is also some field work in connection with the course. The various aspects of Hygiene which are of immediate interest to the practicing physician are taken up in considerable detail. Special emphasis is

laid on the adoption by the medical student of a broad point of view in dealing with public health problems.

Text-books—Kenwood, *Public Health Laboratory Work*; Bergey, *Principles of Hygiene*. For Reference: Lehmann, *Methods of Practical Hygiene*; Harrington, *Practical Hygiene*.

Regular weekly lectures, four hours a week laboratory, in one-half of the year, are required of all students of medicine in the Junior year.

TROPICAL MEDICINE.

The course in Tropical Medicine for undergraduate medical students extends throughout the Senior year and consists of lectures and demonstrations, laboratory periods and clinics. The diseases due to physical and chemical agencies, to vegetable and animal parasites and to unknown causation, are taken up in turn. Special emphasis is laid on the tropical diseases frequently met by the general practitioner in our southern states.

Text-books—Castellani and Chalmers, *Manual of Tropical Medicine*; Manson, *Tropical Diseases*. For Reference: Mense, *Handbuch der Tropenkrankheiten*; Ruge and zur Werth, *Tropenkrankheiten und Tropenhygiene*.

One and one-half hours a week lecture, three hours a week laboratory, one hour a week clinics before sections of the class at the Charity Hospital, required of all students of medicine in the Senior year.

PROFESSIONAL COURSES IN PUBLIC HEALTH.

This course is for physicians, engineers and others specially qualified, and leads to the Tulane degree of Dr. P. H. The work includes laboratory training in the application of physical, chemical, biological and bacteriological methods to the problems of public health, and consists of instruction in standard methods of examination of air, water, milk, etc., laboratory practice in the detection of communicable diseases, testing disinfectants and standardization of biologic products. Practical training in vital statistics, public health administration and other allied subjects is included in the course.

Text-books—Standard Works and Reports, Current Publications.

Any part of this course may be taken by properly qualified students as a special course.

MILK AND DAIRY HYGIENE.

The course in Dairy Hygiene covers the chemical and bacteriological examination of milk and milk products. A short review course on the bacteriological examination of water is included. The labora-

tory is provided with the usual instruments of precision, while the library contains an up to-date collection of standard works on dairy products. Visits are made to dairies, pasteurizing plants, creameries and milk depots for the critical study of equipment and methods.

Prerequisites: Chemistry and Bacteriology. The course is intended for physicians, sanitarians, food inspectors, teachers and advanced undergraduates.

PURE FOOD AND DRUG ANALYSIS

Opportunity will be afforded students, otherwise qualified, to take systematic work in Food and Drug Analysis in the Department of Chemistry, in special laboratory, the Richardson Chemistry Building.

COURSE IN DIETETICS AND NUTRITION

The course consists of lectures, laboratory work and the various tests for the functional activity of the liver, kidneys, pancreas and stomach; as well as clinical work in the Charity Hospital.

GENERAL AND SPECIAL COURSE IN TROPICAL DISEASES.

This course leads to the Tulane Diploma in Tropical Medicine (D. T. M.) and is planned to equip medical men and women, and specially qualified laymen, who expect to proceed to the tropics, or who are on furloughs from the tropics, so that they will be adequately prepared to recognize, treat and investigate the diseases peculiar to warm regions. The scope of the work is comprehensive and the principles involved are fully considered in connection with the study of special diseases.

The course consists of laboratory periods, demonstrations, exhibits, clinics, lectures and student investigations. The work is made practical and can be supplemented and extended along any particular line in which the student is specially interested.

Open to graduates and students of medicine and other qualified persons approved by the University authorities.

COMBINED COURSE IN TROPICAL MEDICINE AND CLINICAL MICROSCOPY.

This course consists of one or two lectures or clinics on tropical diseases, and from four to six hours of laboratory exercises each day. The aim in the laboratory exercises will be to have the student thoroughly master the fundamental principles in clinical microscopy and to learn to make accurate and dependable diagnosis of all the material arising in a general practice in our Southern States, or in a laboratory doing work for general practitioners in the South. Very thorough work is contemplated in malaria, hookworm and

other intestinal parasitic infections, including amebiasis and other tropical and semi-tropical diseases.

Text-books—Laboratory Notes and Instructions.

Four weeks, given in collaboration with the Department of Medicine during the summer session.

RESEARCH IN TROPICAL MEDICINE.

Research work is offered on selected problems in Tropical Medicine. Properly qualified students, both graduate and undergraduate, may enter this course at any time, and opportunity will be given such to enjoy as many laboratory and clinical advantages as they desire. Such students will also receive suggestions and advice upon methods and details of investigation.

TABLE OF FEES—SESSION 1914-1915

Matriculation Fee	\$5
Infirmary Fee.....	5
Microscope Fee	10
Breakage Fee (for each Laboratory)	5
Laboratory Fee (each course)	15
Tuition for Full Session (inclusive)	150
For Three Months (each course)	50
(Courses less than Three Months, \$50).	
Graduation Fee.....	20

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A Laboratory Fee (\$15 for each course) will be charged all students registering from other schools or departments in the University. No charge for tuition.

All matriculants in the College of Medicine are charged \$5 each session.

Microscope Fees may be credited towards purchase of microscope during or at end of course, otherwise the fee reverts to the College of Medicine. Students who furnish their own microscopes are not charged this fee.

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The College reserves the right to increase the above Fees after the session of 1914-1915.

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DR. ISADORE DYER, Acting Dean,
School of Hygiene and Tropical Medicine,
P. O. Drawer 261, New Orleans, La.

LIST OF PUBLICATIONS OF THE FACULTY, ALPHABETI-
CALLY ARRANGED ACCORDING TO AUTHOR.

(January 1913—January 1914)

- Allen, Carroll Woolsey, M. D.** (Instructor in Clinical Surgerp).
See also **Matas**. Prostatectomy under local anesthesia. *Abst. Proc. La. State M. Soc., Jo. A. M. A.*, vol. 60, p. 1488.
- Bahn, C. A., M. D.** (Clinical Assistant in Diseases of the Eye).
Ocular complications of measles. *N. O. M. & S. Jo.*, vol. 66, p. 98.
- Bass, Charles Cassedy, M. D.** (Professor of Experimental Medicine). See also **Wellman**. Laboratory diagnosis of cerebrospinal meningitis. *N. O. M. & S. Jo.*, vol. 65, p. 823. Chronic malaria and malaria relapse. *Miss. M. Monthly*, vol. 18, p. — — Treatment and cure of malaria. *Abst. Proc. So. M. Soc., Jo. A. M. A.*, vol. 61, p. 2269. Recent observations on the malaria plasmodium. *Abst. Am. Soc. Trop. Med., Jo. A. M. A.*, vol. 61, p. 1822. Intrameningeal treatment of tabes dorsalis and cerebrospinal meningitis discussion. *Proc. So. Med. Asso., Jo. A. M. A.*, vol. 61, p. 2268. Cultivation of the malarial plasmodia (plasmodium Falciparum) in vitro in the blood of a diabetic, without the addition of dextrose. *Am. Jo. Trop. Dis.*, vol. 1, p. 246, in collaboration with **Foster M. Johns**. Eradication of malaria. Interest. *M. Jo.*, vol. 20, p. 921. The malarial problem of the South. *Tulane Graduates' Magazine*, 1913, vol. 2, p. 36. The manner in which cerebral malaria is produced. *Trans. Assn. Am. Phys.*, 1913. Discussion of chronic malaria and malarial relapse. *Trans. Miss. St. M. Soc.*, 1913, p. 165. Cultivation of malarial plasmodia in vitro. *Trans. 15th Internat. Cong. Hyg. & Demög.*, Wash., 1912, vol. 2, p. 51 (1913).
- Bean, Robert Bennet, B. Sc., M. D.** (Associate Professor of Anatomy.) The cephalic nerves; suggestions. *Anat. Rec.*, vol. 7, July, 1913, p. 221. Notes on the hairy men of the Philippine Islands and elsewhere. *Am. Anth. (n. s.)* vol. 15, p. 415. Continuation of Studies in physiognomy. *Am. Antiq. & Orient. Jo.*, 1913. Three forms of the human nose. The nose of the Jew and the Quadrates. Labii Superioris Muscle. *Anat. Record*, vol. 7, p. 43.

- Bethea, Oscar Walter, M. D., Ph. G., F. C. S.** (Instructor in Pharmacology and Therapeutics). A device for holding the sheet in obstetrical and gynecological work. *N. O. M. & S. Jo.*, vol. 65, p. 880.
- Caine, Ansel M., M. D.** (Instructor in Anesthetics). Relations that should exist between the surgeon and the anesthetist. *N. O. M. & S. Jo.*, vol. 66, p. 46.
- Cazenavette, Lionel Louis, M. D.** (Lecturer in Diseases of the Nervous System and Clinical Assistant in Diseases of the Skin). Intramuscular injections of mercury in the treatment of syphilis of the nervous system. *N. O. M. & S. Jo.*, vol. 65, p. 802.
- Chillingworth, F. P., M. D.** (Asst. Prof. Physiology and Pharmacology). The physiological action of the alkaloids of gelsemium. *Proc. Am. Phar. Assn.*, 1913.
- Clark, Samuel Marmaduke Dinwiddie, B. Sc., M. D.** (Professor of Gynecology and Clinical Obstetrics). Discussion of pelvic infection, with special reference to the needs of the general practitioner. *N. O. M. & S. Jo.*, vol. 66, p. 269.
- Cohn, Isidore, M. D.** (Demonstrator and Instructor in Minor Surgery). Management of fractures of the elbow. *So. M. Jo.*, vol. 6, p. 186. Treatment of fractures of neck of femur. *N. O. M. & S. Jo.*, vol. 65, p. 659.
- Cole, James C., M. D.** (Assistant in Medicine). See **Jamison**.
- Couret, Maurice John, A. M., M. D.** (Asst. Prof. of Pathology and Bacteriology). Cultivation of amebas in pure culture on autolyzed tissues. *Jo. Ex. Med.*, vol. 18, Sept., 1913, in collaboration with **J. Walker**.
- Culpepper, Wm. Louis.** (School of Trop. Medicine). Case of Dhobie Itch (*Tinea cruris*), with notes on the cultivation of the causal fungus (*Epidermophyton rubrum*). *Am. Jo. Trop. Med.*, vol. 1, p. 397.
- Daspit, Henry, M. D.** (Assistant in Nervous and Mental Diseases). General paresis; plea for more thorough prophylaxis. *N. O. M. & S. Jo.*, vol. 65, p. 799.
- DeBuys, Laurence R., M. D.** (Asst. Prof. of Diseases of Children). Acid Intoxication. *Louisiana St. M. Soc.*, 1913. Roentgen ray in pyloric obstruction. *Am. Jo. Dis. Ch.*, vol. 6, p. 344.
- Duval, Charles Warren, M. D., M. A.** (Professor of Pathology and Bacteriology). Further studies upon the leprosy bacillus.

Its cultivation and differentiation from other acid-fast species. *Jo. Med. Res.*, vol. 28, p. 165, in collaboration with **W. H. Harris**.

Dyer, Isadore, Ph. B., M. D. (Dean and Professor of the Diseases of the Skin). Art of Medicine and other papers. Majors, N. O., 1913. Medical education, an unsolved problem. *N. Y. M. Jo.*, vol. 97, p. 224, 1913. Borderland of dermatology. *Jo. Cutan. Dis.*, vol. 31, p. 459. Some views of erythema multiforme. *N. O. M. & S. Jo.*, vol. 65, p. 867. Should internship be required for graduation? *Abst. Proc. Fed. State Medical Boards, Jo. A. M. A.*, vol. 60, p. 934; also *N. Y. M. Jo.*, May 24, 1913. The way to vaccinate. *Am. Jo. Trop. Med.*, vol. 1, p. 447. Dermatologic aspects of leprosy. *Jo. A. M. A.*, vol. 61, p. 950. Practitioner in his relationship to public health questions. *Interstate M. Jo.*, vol. 20, p. 945.

Elliott, John Barnwell, Jr., A. M., M. D. (Professor of the Theory and Practice of Medicine and of Clinical Medicine). The heart in diphtheria. *N. O. M. & S. Jo.*, vol. 65, p. 706.

Eustis, Allan Chotard, B. S., Ph. B., M. D. (Instructor in Clinical Medicine). See also **Wellman**. Acidosis: Two types demonstrable—an endogenous and an exogenous. *N. O. M. & S. Jo.*, vol. 66, p. 198. Determination of the functional activity of the liver as indicated by the presence of urobilinogen in the urine. *N. O. M. & S. Jo.*, vol. 65, p. 415. On the toxicity of guinea pig urine and its relation to anaphylaxis. *Biochem. Bull.*, vol. 2, p. 158. On the physiological action of some of the amines produced by intestinal putrefaction. *Biochem. Bull.*, vol. 2, p. 159. Solubilities and action of B-imidazolethylamin and the relation to asthma and anaphylaxis. *Ib.*, p. 160. Biochemical reasons why free purgation is necessary in combating acidosis of diabetes; results of clinico-chemical observations. *Ib.*, p. 285. The proper diet in the Tropics, with some pertinent remarks on the use of alcohol. *Am. Jo. Trop. Dis.*, vol. 1, p. 288. Improved technic for blood counts; rapid method for securing exact amount of suspension. *Jo. A. M. A.*, vol. 61, p. 1984. Report of a case of long-standing, amebic abscess of liver and lung; cured by the intramuscular injection of emetine hydrochloride. *Am. Jo. Trop. Dis.*, vol. 1, p. 520. Diabetes mellitus and its differentiation from alimentary glycosuria. *Am. Jo. Med. Soc.*, vol. —, p. —. Medical aspects of intestinal stasis. *Proc. Texas State Med. Soc.*, 1913.

- Gelpi, Maurice J., M. D.** (Instructor in Gynecology). New self-retaining perineal retractor. *N. O. M. & S. Jo.*, vol. 66, p. 182. Developmental defects of the female genitalia. Report of cases. *N. O. M. & S. Jo.*, vol. 65, p. 573, in collaboration with **H. W. Kostmayer, M. D.**
- Gessner, Hermann Bertram, A. M., M. D.** (Professor of Operative Surgery and of Clinical Surgery). Case report in Surgical Treatment of elephantiasis (**Matas**). *Am. Jo. Trop. Med.*, vol. 1, p. 82. Davison's operation for undescended testicle. *N. O. M. & S. Jo.*, vol. 65, p. 641.
- Guthrie, James Birney, B. Sc., M. D.** (Professor of Clinical Medicine). Symptoms and clinical diagnosis in bubonic plague. *So. M. Jo.*, vol. 6, p. 155. Effect of drainage on health in the city of New Orleans. *Jo. Trop. Med. & Hygiene* (Lond), May 1, 1913.
- Halsey, John Taylor, M. D.** (Professor of Pharmacology, Therapeutics and Clinical Medicine). Authorized translation into English of: Pharmacology, clinical and experimental, by Dr. Hans H. Meyer, of Vienna, and Dr. R. Gottlieb, of Heidelberg. Phila., *Lippincott*, 1914.
- Hardesty, Irving, A. B., Ph.D.** (Professor of Anatomy). On the development, attachments and action of the tectorial membrane. *Anat. Rec.*, vol. 8, 1914. Section on The Nervous System, in Morris' Human Anatomy, ed. 5. Phila., *Blakiston*, 1914. Development, attachments and proportions of the tectorial membrane. *Am. Jo. Anat.*, vol. 16, 1914.
- Harris, Wm. Herbert, A. B., M. D.** (Demonstrator and Instructor, Laboratory Pathology and Bacteriology). See also **Duval**. Association of tuberculosis with malignant growths. *Jo. M. Res.* vol. 28, Aug., 1913. Some observations upon recent interesting work seen in the laboratories here and abroad. *N. O. M. & S. Jo.*, vol. 66, p. 212. Transmission of pellagra from man to monkey. *N. O. M. & S. Jo.*, vol. 66, p. 385. Complement fixation test (Gay's modification of Besredka method) in differentiation of acid-fast bacilli. *Jo. Infect. Dis.*, vol. 18, Sept., 1913, in collaboration with **Dr. J. A. Lanford**.
- Henriques, Adolph De C., M. D.** (Third Assistant in Physiology). Role of X ray in progressive medicine. *N. O. M. & S. Jo.*, vol. 65, p. 607.
- Hummel, E. M., M. D.** (Lecturer and Instructor in Diseases of the Nervous System). Early signs of locomotor ataxia. *N. O.*

- M. & S. Jo.*, vol. 65, p. 795. Landry's paralysis. *Med. Soc. Miss. Valley Proc.*, abstr. in *Jo. A. M. A.*, vol. 60, p. 1102.
- Jacob, Charles Louis.** (School of Tropical Medicine). Bacteriological study of the water supply of New Orleans. *Am. Jo. Trop. Dis.*, vol. 1, p. 300.
- Jamison, Stanford Chaille, M. D.** (Assistant in Laboratories, Clinical Medicine, Tropical Medicine and Hygiene, and Pharmacology). Intestinal parasites in Costa Rica. Report based on examination of 210 patients, Hospital United Fruit Co., Port Limón. Diagnosis of the primary anemias and of the leukemias. *N. O. M. & S. Jo.*, vol. 66, p. 221. Sero-diagnosis of pregnancy. *N. O. M. & S. Jo.*, vol. 66, p. 188, in collaboration with **Dr. J. C. Cole.**
- Johns, Foster M., M. D.** (Assistant in the Laboratories, Clinical Medicine and of Tropical Medicine). See also **Bass.** Adult forms of *Trypanosoma Americana* in naturally infected animals. *Am. Jo. Trop. Med.*, vol. 1, p. 49.
- Jones, Hamilton Polk, M. D.** (Instructor in Clinical Medicine). Medical aspects of exophthalmic goiter. *N. O. M. & S. Jo.*, vol. 66, p. 352.
- King, Edward L., M. D.** (Asst. Demonstrator, Pathology and Bacteriology). Review of about 650 anesthetics. *N. O. M. & S. Jo.*, vol. 66, p. 481.
- King, Howard Douglas, M. D.** (Instructor in Tropical Medicine and Preventive Medicine). See also **Wellman.** Epidemiologic philosophies. *N. O. M. & S. Jo.*, vol. 66, p. 368. Importation of foundlings. *Ib.*, p. 851. Carriers. *Miss. M. Mo.*, Nov., 1913, Some race observations from an epidemiologic viewpoint. *New Mexico M. Jo.*, Oct., 1913, p. 31.
- King, W. V.** (School Tropical Medicine). Note on the mounting of mosquito larvae. *Am. Jo. Trop. Med.*, vol. 1, p. 403.
- Kostmayer, Hiram W., A. B., M. D.** (Instructor in Gynecology). See **Gelpi.**
- Lanaux, M. Thomas, M. D.** (Instructor in Clinical Obstetrics and Clinical Gynecology). See **Phillips.**
- Landry, Jerome E., M. D.** (Instructor in Clinical Medicine). Peliosis rheumatica. *N. O. M. & S. Jo.*, vol. 60, p. 39.
- Lanford, John Alexander, Ph.G., M. D.** (Instructor of Surgical Pathology). See **Harris.**
- Lemann, Isaac Ivan, M. D.** (Asst. Professor of Clinical Medicine). Treatment of plague. *So. Med. Jo.*, vol. 6, p. 446.

(1913). Modern conceptions of diabetes mellitus. *N. O. M. & S. Jo.*, vol. 65, p. 656. (1913).

Lemoine, Henry Eugene. (School of Tropical Medicine). On the bacterial pollution of the Mississippi River water by the sewage effluent from the City of New Orleans. *Am. Jo. Trop. Dis. and Prevent. Med.*, vol. 1, p. 362.

Levin, Abraham Lewis, M. D. (Clinical Assistant in Medicine). Conservatism in Surgery. *N. O. M. & S. Jo.*, vol. 65, p. 827.

Lyons, Randolph, Ph. B., M. D. (Instructor in Clinical Medicine). Treatment of amebic dysentery with subcutaneous injections of emetine hydrochlorid. *Jo. A. M. A.*, vol. 60, p. 1216. Emetine hydrochloride in the treatment of amebic dysentery. *N. O. M. & S. Jo.*, vol. 66, p. 278. Cerebro-spinal meningitis with special reference to certain signs and measures. *Proc. So. Med. Assn., abst. Jo. A. M. A.*, vol. 61, p. 2268.

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Matas, Rudolph, M. D. (Professor of General and Clinical Surgery). Practicability of reducing the calibre of the thoracic aorta by plication or infolding its walls. *Annals of Surgery*, vol. 58, p. 304, in collaboration with **Dr. C. W. Allen**. Fibromatosis of the stomach. Discussion, meeting *Am. Surg. Assn.*, 1913. *Annals of Surgery*, vol. 58, p. 272. Surgical treatment of elephantiasis and elephantoid states dependent upon chronic obstruction of the lymphatic and venous channels. *Am. Jo. Trop. Dis.* vol. 1, p. 60. Surgery of the arterial system. *Proc. 17th Internat. Med. Cong.*, London, 1913, *abst. Jo. A. M. A.*, vol. 61, p. 800. Progress in the surgery of the vascular system. *Railway Surg. Jo.*, 1913, vol. 20, p. 136.

Menage, Henry Edward, M. D. (Lecturer and Instructor in Diseases of the Skin). Interesting neurodermatological case. *Old. Domin. Jo. M. & S.*, Sept. 1913, p. 143.

Miller, Charles Jefferson, M. D. (Professor of Obstetrics and Clinical Gynecology). Acute invagination of ileum secondary to sarcoma of small intestine. *Surg. Gyn. & Obst.*, vol. 17, p. 210. Surgical treatment of puerperal infections. *N. O. M. & S. Jo.*, vol. 65, p. 594.

- Perkins, Wm. Martin, B. Sc., M. D.** (Instructor in Clinical Surgery). Alumni address; annual commencement of the Tulane University of Louisiana, June 4, 1913. *Tulane Graduates' Magazine*, vol. 2, p. 40.
- Phillips, William David, B. S., M. Phar., M. D.** (Instructor in Clinical Obstetrics). Comparative value of abdominal and vaginal examinations in diagnosis of fetal presentation and position. *N. O. M. & S. Jo.*, vol. 65, p. 584. Frequency and cause of still-birth. *N. O. M. & S. Jo.*, vol. 66, p. 286, in collaboration with Dr. M. T. Lanaux.
- Salatich, Peter Blaise, M. D.** (Instructor in Clinical Obstetrics). Petrolatrum as a substitute for Beck's paste. *La. State Med. Soc., abst. Proc. in Jo. A. M. A.*, vol. 60, p. 1488. Some points in the technic of complete hysterectomy. *N. O. M. & S. Jo.*, vol. 65, p. 640.
- Samuel, Ernest Charles, M. D.** (Assistant in Clinical Medicine). Value of the skiagraph in medico-legal questions. *N. O. M. & S. Jo.*, vol. 65, p. 864.
- Schochet, Sydney Siegsfried** (Student-Assistant). See **Wellman**.
- Scott, Leonard C., B. Sc., Ph. D., M. D.** (Demonstrator in Tropical Medicine). See **Wellman**.
- Sexton, Luther, M. D.** (Lecturer and Clinical Instructor in Minor Surgery). Observations of vesical calculi. *N. O. M. & S. Jo.*, vol. 65, p. 744. Surgical tuberculosis. *Med. Record*, April, 1913.
- Simon, Sidney Kohn, A. B., M. D.** (Lecturer and Instructor in Clinical Medicine). Einborn duodenal tube and its uses. *N. O. M. & S. Jo.*, vol. 66, p. 42.
- Smyth, John, M. D.** (Associate Professor in the Laboratories of Minor Surgery and Instructor in Clinical Surgery). New method of transplantation of bone to close defects in skull where large areas have been destroyed by trauma or disease. *Ark. Med. So. Jo.*, vol. 10, Oct., 1913.
- Souchon, Edmond, M. D.** (Emeritus Professor of Anatomy and Clinical Surgery). Philosophic anatomy of the lungs. *N. Y. Med. Jo.*, June, 1913.
- Wade, Herbert Windsor, M. D.** (Demonstrator in Pathology and Bacteriology). Primary Hodgkins Disease of the spleen. (Dorothy Reed type). *Jo. Med. Res.*, vol. 29, p. 209.
- Wellman, Creighton, M. D.** (Dean School of Tropical Medicine). Cultivation of filaria embryos in vitro. *Jo. A. M. A.*, vol. 60, p.

1824, *abst. Proc. Am. Soc. Trop. Med.* Discussion on importance of intestinal parasites in tropical medicine. *Ib.*, p. 1822. Production of beriberi polyneuritis in fowls with substances other than rice. *So. Med. Jo.*, vol. 6, p. 516. Polyneuritis Gallinarum caused by different foodstuffs. *Am. Jo. Trop. Dis.*, vol. 1, p. 129, in collaboration with **Dr. C. C. Bass**. Malta fever in Louisiana. *Am. Jo. Trop. Dis.*, vol. 1, p. 393, in collaboration with **Dr. A. C. Eustis** and **S. S. Schochet**. Rapid cure of polyneuritis gallinarum by intramuscular injection of a substance isolated from rice. *Am. Jo. Trop. Dis.*, vol. 1, p. 295, in collaboration with **Dr. A. C. Eustis** and **Dr. L. C. Scott**. List of the mosquitoes hitherto reported from New Orleans. *Am. Jo. Trop. Dis.*, vol. 1, p. 267, in collaboration with **Dr. H. D. King**.

Wilson, Solon G., M. D. (Instructor in Diseases of Children). Treatment of diphtheria and of diphtheria carriers. *N. O. M. & S. Jo.*, vol. 66, p. 192.

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Dr. Isadore Dyer, for expense.....	100.00
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Dr. R. Matas: One case containing military missiles, to be used for class demonstration.	

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The donation of Dr. Lewis deserves special mention as it comprises 685 bound volumes, chiefly gynecological, which will be of material value to that department with which the name of its Emeritus Professor is indissolubly connected.

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CATALOG OF STUDENTS

SCHOOL OF MEDICINE

* Hospital Interns.

‡ Partial-course students.

‡ Diploma of Doctor of Medicine conferred October 1, 1913.

STUDENTS OF FOURTH YEAR AND ABOVE, (INCLUDING GRADUATE STUDENTS).

CLASS OF 1914

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‡Beard, James Wiley	Alabama
Bird, George	Porto Rico
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Blum, Henry Nathan (M. D., B. Sc.)	Louisiana
Braud, Sidney Francis (A. B.)	Louisiana
*Browne, Henry Silas (A. B.)	Louisiana
*Burchfield, Burris Earle	Mississippi
Burger, Otto Charles Jacob	Indiana
Callaway, William Otis (A. B.)	Colorado
*Campbell, Guy Edward	Minnesota
*‡Carr, Isaac Price	Mississippi
Clark, Archibald Fletcher	Texas
Coleman, Robert Henry	Texas
*Corbin, Robert Adwood	Louisiana
*Cowles, Andrew Grant	Illinois
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*Dean, Claude (B. S.)	Alabama
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Gill, John Louis (M. D.)	Mexico
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*Harper, Robert Blackburn, (B. Sc.)	Mississippi
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Hirsch, Edward Klaus	Mississippi
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‡Kahn, Sylvan David	Texas
*Kiel, Oliver Birdell	Texas
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*Lochte, Henry Clarence	Mississippi
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Malkin, George Morris (M. D., U. S. N.)	Louisiana

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*Mattes, Abraham	Louisiana
*Meyer, Monte Fiore	Louisiana
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*Murphy, Clarence Stephen	Texas
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*Niblack, Ray Roswell	Florida
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White, Aaron Jones	Alabama
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*Wise, Bowman Joel (A. B.)	Georgia

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Aiken, William Holcombe (B. Eng.)	Louisiana
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Beddow, William Henry	Alabama
Beridon, George Regard	Louisiana
Blue, Alexander McNeill (A. B.)	North Carolina
Browne, Paul Zollicoffer	Mississippi
Burgheim, Clarence Adolph (M. D.)	Louisiana
Burns, William Wilkes (A. B.)	Alabama
Butts, James William (B. Sc.)	Arkansas
Cappel, Jack Thompson	Louisiana
Cassegrain, Octave Charles (A. B.)	Louisiana
Cayo, Edward Alexander	Canada
Chetta, Frank	Louisiana
Collier, George Benjamin (B. Sc.)	Alabama
Cooper, Lawrence Egbert	Missouri
Deignan, Joseph Paul	Georgia
Devlin, William Jeremiah	Louisiana
Donald, Pressly Young (A. B.)	Alabama
Dubos, Louis Joseph (A. B.)	Louisiana
Dupuis, J. Willis	Louisiana
Faulk, Ernest Cleveland	Louisiana
Faulk, John William	Louisiana
Ferguson, Robert Donald	Florida
Findley, William Meyer (A. B.)	Missouri
Gardiner, Henry Lawrence	Louisiana
Gardner, Powell Beal (A. B.)	Arkansas
Garner, Marcellus C.	Mississippi
Garrett, Joseph William	Oklahoma
Gerson, Gustave Raphael	Texas
Gillis, Charlie Lyman	Mississippi
Gladden, Addley Hogan Jr., (A. B.)	Louisiana
Gooch, Frank Branch	Texas
Harris, Henry Cameron	Alabama
Harrison, Festus Eugene (B. Sc.)	Mississippi
Hauser, George Henry	Louisiana

Hébert, Louis Alexander (B. Sc.)	Louisiana
Hicks, Isham Kimbell (M. D.)	Alabama
Hotard, Roland Frank	Louisiana
Humphreys, Ralph Wilber (B. Sc.)	Georgia
Jennings, Thomas Vollie	Texas
Jobson, Alexander Mettauwer Charles (B. Sc.)	Florida
Jones, Henry Clinton	Louisiana
Kearney, Harold Leslie (A. B.)	Missouri
Kent, Charles Michael (B. Sc.)	Mississippi
Kinthead, Kyle Johnston (Ph. B.)	Kentucky
Kirwin, Thomas Joseph (Pharm. Chem.)	Louisiana
Lafleur, Moise (A. B.)	Louisiana
Latiolais, Thomas	Louisiana
Locascio, James Louis (Pharm. Chem.)	Louisiana
Lopez, Louis Vyasa James	Louisiana
McCall, Julius Watkins	Alabama
McKie, Alva Burton (B. Sc.)	Mississippi
Magee, Hosie Frank (B. Sc.)	Mississippi
Mathias, Daniel Francis	Mississippi
Maxwell, Victor Wiley	Mississippi
Miller, Charlie Robert	Texas
Miller, Preston Joseph (A. B.)	Louisiana
Mitchell, Charles Baldwin (A. B.)	Mississippi
Morris, Clyde Leon	Missouri
Murphy, Daniel Joseph	Louisiana
Owen, James Tuttle	Louisiana
Robinson, Oscar W.	Texas
Rosenthal, Jacob Sontheimer (B. Sc.)	Mississippi
Roy, Kirby Arthur (A. B.)	Louisiana
Shahan, John	Alabama
Sharp, Covington Hardy	Louisiana
Shipp, Cyrus Martin	Mississippi
Simmons, John Douglas, Jr., (B. Sc.)	Mississippi
Simon, Henry Theodore	Louisiana
Sims, Harry Vernon (A. B.)	Louisiana
Smith, Harry Maxwell	Tennessee
Spears, Elemial Jefferson (M. D.)	Louisiana
Spence, Elbert Lafayette	Missouri
Stringfield, John Harvy	Louisiana
Taylor, Pleasant Addison (B. Sc.)	Oklahoma
Templeton, Edward Wood	Missouri

Terhune, William Barclay, Jr.,	Louisiana
Townsend, Charles Kennard (A. B.)	Arkansas
Tucker, Irenaeus Nicholson (A. B.)	Mississippi
Vandevere, Willie Ewing (B. Sc.)	Mississippi
Wall, Charley Kindrick	Georgia
Weaver, Samuel	Texas
Wyatt, Charles Arthur	Texas
Zengel, Harry Loomis	Louisiana

SECOND-YEAR STUDENTS, CLASS OF 1916

Baker, Wilmer	Louisiana
Barrier, Charles Wesley, Jr.	Texas
Bashinski, Benjamin	Georgia
Belden, Webster Whitall	Louisiana
Bendel, William Louis	Louisiana
Benoist, Edwin, Eugene	Mississippi
Beranger, Edgar Joseph (B. Sc.)	Louisiana
Blue, George Eason (B. Sc.)	Alabama
Boals, Elmer Harris	Arkansas
Bordelon, William Paul	Louisiana
Burdeshaw, Henry Beechum	Alabama
Callaway, Enoch	Georgia
Cantú, Alfredo Alonso (B. Sc.)	Mexico
Charbonnet, Pierre Numa	Louisiana
Chisolm, Joseph Raymond (A. B.)	Alabama
Crichlow, Richard Smith (B. Sc.)	Louisiana
Dicks, John Barber	Mississippi
Dougherty, John Allen (A. B.)	Louisiana
Fegtly, Arthur Wesley	Kansas
Ferran, John Blaize, Jr.	Louisiana
Garratt, Charles Edward	Arkansas
Giles, Upton W. (B. L., A. B.)	Texas
Goodson, Charles Leon	Louisiana
Gwin, Jerry Walter (B. Sc.)	Alabama
Hancock, Edmund Chaillé	Texas
Hava, Walter Chavigny	Louisiana
Hebert, Aynaud Foster (B. Sc.)	Louisiana
Henderson, Samuel Dana (A. B.)	North Dakota
Heninger, Ben Rufus	Texas
Israel, Joseph Paul	Louisiana
Johnson, Allen	Texas

Jones, George Mitchell (B. Sc.)	Texas
Kesmodel, Charles Frederick	Alabama
Keyton, John Arthur	Alabama
Kinney, Kenneth William	Oregon
Kushner, Louis Zelick	Louisiana
Levy, Edwin Mayer	Louisiana
Lewis, Alfred Lawson	Louisiana
Lowery, Rankin Robert	Alabama
McCall, Edgar Furman	Texas
McCrossin, Dixie (B. S.)	Alabama
McDonald, Bathune Freeman	Texas
McLean, William Joseph	Texas
Mailhes, Roger John	Louisiana
Major, Eric Leonial	Louisiana
Maness, Robert Lampkin	Texas
Marett, Andrew Belton (A. B.)	South Carolina
Melton, Edward Cabiness, Jr.	Mississippi
Meyer, Francis Albert (A. B.)	Louisiana
Miller, Hilliard Eve	Louisiana
Montague, Adam Wood, Jr.	Texas
Mosquera, Benjamin (B. Phil.)	Ecuador
Naef, Emile Fidel	Louisiana
Nothacker, Stafford Henry	Louisiana
Paine, Ruffin Alexander	Louisiana
Park, James Howard, Jr. (Pharm. Chem.)	Texas
Parker, Farrar Burr	Louisiana
Parrish, Buford Kirkman (Pharm. Chem.)	Louisiana
Pound, Presley Lewis	Missouri
Pounders, Carroll Munroe	Texas
Powell, Jay A.	Alabama
Pratt, John Galbraith	Louisiana
Randall, Clarence Cecil (A. B.)	Alabama
Riley, Jesse Dean	Arkansas
Rosenthal, Maurice Samuel (B. Sc.)	Louisiana
Salter, Paul Pullen (A. B., B. S.)	Alabama
Sandidge, William James	Louisiana
Touchstone, Alexander Green	Mississippi
Voss, Reynold Christian	Louisiana
Wheat, Benjamin Lucien (Ph. G.; Ph. Chem.)	Mississippi
Whitley, Grover Gradye (L. B.)	Texas

Willis, James Clinton, Jr.	Louisiana
Wills, John Walter (Ph. B.)	Mississippi
Windham, Robert Edward	Louisiana
Wright, George William	Louisiana
Wynn, William Herbert	Florida

FIRST-YEAR STUDENTS, CLASS OF 1917

Abell, Nelson Dyer	Louisiana
Allgeyer, Ernest Emile	Louisiana
Barker, William Edward, Jr., (A. B.)	Louisiana
Bass, Fred Buckley (D. D. S.)	Mississippi
Beals, John Alfred	Louisiana
Beatrous, Frank Theophile	Louisiana
Brenner, Milton Louis	Texas
Brown, Joseph Patrick (Pharm. Chem.)	Louisiana
Coleman, Davis Hunter	Kentucky
Credille, Barney Alexander (L. B.)	Texas
Davis, Albert G. (M. Sc.)	Florida
Davis, Frederick Bruce	Mississippi
Delahoussaye, Roy Edward (B. Sc.)	Louisiana
de Reyna, George Joseph, Jr.	Louisiana
Eidson, William Russell	Alabama
Fenno, Frederick Leonard	Louisiana
Flippin, Eugene Littlejohn	North Carolina
Forbes, Sherman Balch	Florida
Frank, Edwui (A. B.)	Louisiana
Franklin, Henry Leroy	Texas
Friedrichs, Andrew Vallois (B. Sc.)	Louisiana
Fuchs, Valentine Henry	Louisiana
Gage, Idlys Mims	South Carolina
Gámez-Reyes, Saturnino	Nicaragua
Gardner, Francis Walker	Mississippi
Gately, Tracy Thomas (A. B.)	Louisiana
Gentry Benjamin Major	Louisiana
Gilmer, Hiram Bruister (A. B.)	Alabama
Guidry, William Ware (B. Sc.)	Louisiana
Hardin, Eugene Darius	Mississippi
Howell, Franklyn Albert	Louisiana
Irwin, Emmett Lee (A. B.)	Louisiana
Irwin, John Joseph (B. Sc.)	Louisiana
Jones, John Paul, Jr.	Alabama

Knolle, Roger Edmond	Texas
Knolle, Waldo Austin	Texas
Ledoux, Lucien Amarou	Louisiana
Levy, Walter Edmond	Louisiana
Lyons, Samuel Benson	Louisiana
McCluskey, James Patrick	Louisiana
McKenzie, Ernest Monroe (A. B.)	Arkansas
McKenzie, Olin Glaze	Georgia
McSween, John Campbell, Jr.	Florida
Martin, Allen Wasey	Louisiana
Mayer, George Alfred	Louisiana
Menendez, Anthony Manuel	Louisiana
Menendez, Joseph Charles	Louisiana
Moose, Ray Moody (A. B.)	Texas
Morgan, John Ralph	Alabama
Perez, Josè Antonio	Porto Rica
Ramsey, George Allen	Louisiana
Reynolds, Walton Walker	Texas
Rodgers, Wirt Adams (A. B.)	Mississippi
Rojas y Delgado, Manuel Daniel	Costa Rica
Rosenthal, Jonas William (B. Sc.)	Louisiana
Rosenthal, Victor Morris	Florida
Royals, Walter Clifton	Mississippi
Savage, Charles Henry	Alabama
Scaturro, Peter Epifanio	Alabama
Schutzman, Wallace Otto	Louisiana
Seeman, Charles Landolin (A. B.)	Louisiana
Silverman, Daniel Nathan	Louisiana
Singletary, Thomas John (A. B.)	Louisiana
Singleton, John Milton, Jr.	Missouri
Stell, Jack Sidney	Arkansas
Tarleton, Frank Samuel (A. B.)	Louisiana
Turnage, Early Braxton	Mississippi
Underwood, Samuel Sellers	Alabama
Wall, Sidney Otho	Mississippi
Wilson, Carl Sanford	Texas

STUDENTS OF PRE-MEDICAL YEAR, CLASS OF 1918

Alderete, Ike, Jr.	Texas
Armstrong, Eugene Lawson	Florida
Baker, Claude Mosley	Mississippi

Baskin, Lawrence Simpson	Louisiana
Bowden, (Mrs.) Margaret Pauline Harrison	Louisiana
Brennan, Lawrence Arthur James	Louisiana
Brown, Robert James, Jr.	Louisiana
Burgis, Albert Frank	Louisiana
Cockrell, Frank Scott	Texas
Cohen, Sam	Louisiana
Comas, Randolph	Porto Rico
Cook, William Allen	Texas
Doucet, Marshall Joseph	Louisiana
Fahey, Edmond Francis (A. B.)	Mississippi
Faust, Edmond Lawrence	Louisiana
Fleury, William Joseph	Louisiana
Flowers, Elliott E.	Mississippi
Harrell, Herbert Gray	Louisiana
Isaacson, Julius Emanuel	Louisiana
Jerwick, Harry Dare	Arkansas
Johnson, Paul Earnal	Arkansas
Le Bourgeois, Paul Arthur	Louisiana
Lynch, Eugene Henry	Mississippi
McCullagh, John Cyrus	Florida
Mestayer, Felix Charles	Louisiana
Moore, Ramsey Hudson	Texas
Mora, Felix Ramon, Jr.	Porto Rico
Myers, Jay Hamilton	Louisiana
Oakes, Forrest Edward	Louisiana
Ortiz-Romeu, Alfredo	Porto Rico
Parham, Duncan	Louisiana
Pitkin, Albert Baldwin	Louisiana
Ramirez, Urbano	Louisiana
Richard, Florence Stephen	Louisiana
Rucker, Richard Van	Texas
Schellhaas, Edmond Francis (A. B.)	Louisiana
Smith, Millard Lieser	Alabama
Timon, Alonzo N., Jr.	Louisiana
Tucker, Leo Willard	Louisiana
Yznaga, Alvaro Arturo	Cuba

SCHOOL OF HYGIENE AND TROPICAL MEDICINE

*Burres, Walton Todd (M. D.)	Mexico
†Culpepper, William Louis	Texas
‡Johnson, Luther Fletcher	Oklahoma
†Kearney, Harold Leslie (A. B.)	Missouri
Pflueger, (Rev.) Jesse Philip (A. B., B. Sc.)	Louisiana
Shields, Randolph Tucker (A. B., M. D.)	China
Shilstone, Herbert Maxwell (B. Sc.)	Louisiana
Stovall, William Davison (M. D.)	Mississippi
Walsh, Groesbeck Francis (M. D.)	Alabama
Wright, Herbert L. (M. D.)	Alabama

EXTENSION STUDENTS.

Candidates for Degree of Ph. D.

(Graduate Department.)

Aurianne, Augustine, Laboratory Hygiene	New Orleans
King, W. V., Tropical Medicine and Public Health	New Orleans

Candidates for Degree of A. B.

(School of Education.)

Abrams, Ray, Laboratory Hygiene	New Orleans
Griffith, Mary E., Laboratory Hygiene	New Orleans
Sarre, A. J., Laboratory Hygiene	New Orleans
Young, Althea, Laboratory Hygiene	New Orleans

* Also Matriculate of School of Dentistry.

† Also Matriculate of School of Medicine.

‡ Also Matriculate of Post-Graduate School of Medicine.

COLLEGE OF MEDICINE

GRADUATES OF 1914

At the Eightieth Annual Commencement, held Wednesday, June 3, 1914, degrees were conferred on 72 graduates.

SCHOOL OF MEDICINE

DOCTORS OF MEDICINE

*Arrendell, Cad Walder	Ponca City, Oklahoma
Barron, William Marshall	Ackerman, Mississippi
Bird, George	Guayama, Porto Rico
*Bird, Thomas Buffington	Baton Rouge, Louisiana
Braud, Sidney Francis	Thibodaux, Louisiana
*Browne, Henry Silas	Plaquemine, Louisiana
*Burchfield, Burris Earle	Kosciusko, Mississippi
Burger, Otto Charles Jacob	Jasper, Indiana
Callaway, William Otis	Boulder, Colorado
*Campbell, Guy Edward	Melrose, Minnesota
Clark, Archibald Fletcher	Fentress, Texas
Coleman, Robert Henry	Mineola, Texas
*Corbin, Robert Adwood	Hammond, Louisiana
Cowles, Andrew Grant	Naperville, Illinois
Cressy, William Hartwell, M. D.	Mexico City, Mexico
*Cronan, George Augustus	New Orleans, Louisiana
Davidson, Carlie Wyley	Jena, Louisiana
*Deau, Claude	Evergreen, Alabama
*Dorsey, Hubert Compton	New Albany, Mississippi
Elson, Leo Nehemiah	New Orleans, Louisiana
Evans, Theophilus Watkins	Baton Rouge, Louisiana
Faget Edouard Beeg François	New Orleans, Louisiana
*Faget, Guy Henry	New Orleans, Louisiana
*Frazer, Jr., Benjamin Franklin	Lafayette, Alabama
Galloway, James Hervey	Mississippi City, Mississippi

Garcia, Alberto Gonzalo, M. D.

Cuatro Cienegas, Coahuila, Mexico

*Goodson, William Eugene	Tuscaloosa, Alabama
Gould, Marvin Meyer	Mobile, Alabama
*Graham Rossner Enders	New Orleans, Louisiana
*Harper, Robert Blackburn	Fayette, Mississippi
*Heard, Joseph Eugene	Brownsville, Tennessee
Hirsch, Edward Klaus	Natchez, Mississippi
*Holloway, Luther William	Tallahassee, Florida
*Hyman, David	New Orleans, Louisiana
Jarrell, Foster	Junction City, Arkansas
*Kiel, Oliver Birdell	Wichita Falls, Texas
Kilpatrick, Garnet Astley, M. D.	Wilburton, Oklahoma
*Lane, Morton Paul	No. 115 W. 78th St., New York City
Leitch, Lewis Ball	Canton, Mississippi
*Lochte, Henry Clarence	New Orleans, Louisiana
*Luckett, Francis Carlton	Kosciusko, Mississippi
Lyons, Marcy Joseph	Crowley, Louisiana
*McHugh, Thomas Jefferson	Baton Rouge, Louisiana
McLaurin, John Gano	Dallas, Texas
*McMahan, Alvin Mann	Union City, Oklahoma
Martin, John David	Colmesneil, Texas
*†Mattes, Abraham	New Orleans, Louisiana
*Meyer, Monte Fiore	Crowley, Louisiana
Moreland, William Edmond	Homer, Louisiana
Morris, Robert Harold, M. D.	Linneus, Missouri
*Murphy, Clarence Stephen	Moscow, Texas
*Niblack, Ray Roswell	Lake City, Florida
*Oliver, Mildred Lusk	Lodi, Mississippi
Overbay, Frank Anderson	Bartow, Florida
Palmer, Jr., Bascom Headen	Lake City, Florida
*Perret, Joseph Maxime	New Orleans, Louisiana
*Pharr, John Newton	New Iberia, Louisiana
*Platt, Robert James	New Orleans, Louisiana
Player, Lionel Paget	Modesto, California
*Querens, Percy Lennard	New Orleans, Louisiana
Randolph, Vivien Peyton	Laird, Mississippi

†Diploma withheld until 1915, until age of 21 is attained.

*Robin, Labasse Joseph	New Orleans, Louisiana
Schochet, Sydney Sigsfried	Lake Charles, Louisiana
Sentell, Newton Washington	Bunkie, Louisiana
*Spearing, Joseph Watkins	New Orleans, Louisiana
*Speight, James Ambler	Whitakers, North Carolina
Talley, Arthur Thurman, M. D.	Diboll, Texas
*Taylor, George Washington	Butler, Alabama
Warren, Andrew Jackson	Hurdle Mills, North Carolina
Werlein, Presley Ewing	New Orleans, Louisiana
White, Aaron Jones	Monroeville, Alabama
*Willis, Leonard Warnbacher	Bainbridge, Georgia
*Wise, Bowman Joel	Plains, Georgia

AWARDED DIPLOMAS OCTOBER 1, 1913

Beard, James Wiley	Troy, Alabama
*Carr, Isaac Price	Pontotoc, Mississippi
Fite, Houston Bartow	Tahlequah, Oklahoma
Kahn, Sylvan David	Hallettsville, Texas
*Palmisano, Dominick Andrew	New Orleans, Louisiana

SCHOOL OF HYGIENE AND TROPICAL MEDICINE **Doctor of Public Health**

Herbert Maxwell Shilstone, B. Sc.	Louisiana
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Diploma in Tropical Medicine

Walton Todd Burres, M. D.	San Geronimo, Mexico
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THE POST-GRADUATE SCHOOL OF MEDICINE

(THE NEW ORLEANS POLYCLINIC)

Announcement This School was established in 1888 as the New Orleans Polyclinic by a small group of earnest and progressive medical men eager to aid in the development of New Orleans as a medical center. They realized the advantages in geographical position and clinical facilities of this great seaport, and their purpose was to utilize them with energy and enthusiasm.

Free from the desire of competing with the Medical Department of the University of Louisiana, it was determined to organize a post-graduate school of medicine, mainly clinical and eminently practical, designed for practitioners of medicine anxious to improve themselves by revisiting a medical center, in the atmosphere of the hospital and the laboratory, either through a general review of progress or by specializing in limited fields.

The first Faculty was composed of ten members, and the first session was attended by twenty-three men, mainly from the neighboring country.

Results were so encouraging by 1890, the classes having already more than doubled in number, that the Faculty purchased a building on Canal Street which it remodeled and fitted up for its use, in conjunction with the teaching at the Charity Hospital which it supplemented.

A notable enlargement of the facilities of the Polyclinic occurred in 1891, when the clinics and wards of the Eye, Ear, Nose and Throat Hospital were opened to its students. The advantages of these two specialties have multiplied with the growth of the Hospital, which is to-day one of the best equipped and most largely attended in the land.

In 1892 the Faculty secured from the General Assembly of the State of Louisiana the legislative right of "Free access at all times to the wards of the Charity Hospital" for the purpose of teaching its classes. The use of the wards had previously been granted by the Board of Administrators of the Hospital, but the act of the Legislature transformed a *privilege* into a *right*.

In 1895 the Institution had so grown in importance and the number of men attending, no longer from the Gulf States alone, but from all over the United States, that the Faculty erected a new building devised for its own purpose and situated at a stone's throw from the Charity Hospital.

In 1906 the Polyclinic became amalgamated with the Medical Department of the Tulane University, being called the Post-Graduate Medical Department. By this time the school was prosperous; its Faculty consisted of twenty professors and the annual attendance upon its session totalled an average of nearly two hundred.

Further progress and improvement have come through a re-organization of the College of Medicine, this Department becoming the Post-Graduate Medical School. Instruction will be co-ordinated with that in the Medical School, making all the instruction of a combined Faculty open to post-graduates. A most comprehensive general course will be arranged for those wishing a general review and to keep pace with the advance in the science and art of medicine. On the other hand, those interested in medicine alone, or in surgery or in any of the specialties, will have a complete course mapped out in such manner as to keep them occupied during most of their time and in a profitable manner. All of the laboratories of the College will hereafter be available to the post-graduates, including the cadaveric, surgical and gynecologic, as well as those of Clinical and Tropical Medicine. This will furnish adequate opportunity not only for practice work in the various lines, but for experimental and research work for those interested in such.

Courses in Hygiene, Preventive Medicine and Tropical Medicine will be arranged through the School of Hygiene and Tropical Medicine for the graduates who have not sufficient time to take the regular courses in that School.

The work at the Eye, Ear, Nose and Throat Hospital has been arranged. The eye clinics and operative work will be held in the afternoons, and the instruction in the other department will be given in the forenoons, so that the men interested in these two branches only will be occupied all day, without conflicting hours.

Ordinary courses will be calculated for cycles of six weeks, but arrangements can be made for shorter courses and for those of indefinite duration.

In short, the aim of the School will be to give matriculates either general work or concentrated work in one or more lines, as desired.

In other words, graduates will be able to get in and through this School any amount or any kind of work connected with medicine, the term being used in its broad sense, whether it be practical or research, general or special, for a short or a long period.

All the laboratories, the clinical material, and the teaching staff of the College of Medicine will be available for their instruction.

For particular information, address

CHAS. L. CHASSAGNAIC, M. D., Dean,
Post-Graduate School of Medicine,
P. O. Drawer 261, New Orleans, La.



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SCHOOL OF PHARMACY

Tulane University of Louisiana

ANNOUNCEMENT

1914-15

The University is authorized by law to grant diplomas in Pharmacy, and the Medical Department has exercised this privilege since 1838. Beginning with the session of 1913, the Department of Pharmacy became the School of Pharmacy of The Tulane University of Louisiana.

The regular pharmacy course begins September 30, 1914, and continues throughout the academic year of thirty-two weeks. The course of studies will be conducted in the Richardson Chemistry Building and in the Richardson Memorial Building on the Campus of the University. The equipment of the various laboratories is ample and up to date.

Course of Study

Two graded courses of thirty-two weeks each will be required to complete the course of study leading to the degree of Ph. G. (Graduate of Pharmacy). The degrees of Ph. C. and of Doctor of Pharmacy will be conferred on holders of the Ph. G. or Ph. C. degrees after an additional one year of work in graded and special courses for each degree. Excellent opportunities will be presented to those who are sufficiently prepared to take up Pure Food and Drug Analysis.

Women are admitted as students to the full courses in pharmacy on the same terms and conditions as men.

For catalog or other information address,

Dr. Isadore Dyer, Dean,

P. O. Drawer 261,

New Orleans, La.